<212>   DNA
<213>   Glycine max

<400>   7967

tctcttaaag gcatgccaaa tcgaaagata aagaatcacc atgtaatttt gataggaaaa   60

catacttgct cactgcaata atagatcttt gtacgacaaa agaaataatt ggtgaaaggc   120

attgaatgtt gcaattaatg caatccatcg accatttctc tttctatata gatatcacac   180

gagggaagat tgaagatgtg agaaaatgaa taatttctaa agtagtcctc ctatttatac   240

caaatgtccc tttgctcaag atagataacg agttgctgaa cattcaattt   290

<210>   7968
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7968

tacatctacg atgactttaa tactgtttat acatcatgac cgtttgtctt ctttatagaa   60

acaaaccaga tgtttgctgc ttcatatata ctgataagag aaatcagtgc tgccttttgc   120

aaggactcct natcttccaa cttcaattta aaaatatcca tgaagagatt ttaaaatgaa   180

agttgattaa aatatatctt cctttgaaca cttatgtcaa ataaccatt ttattcttca   240

atgtctaaat tcaattgatt ttatggctgg atctctggat acatattcga aaattaatcg   300

ataactcatg ccacgaaaaa ggtgttacct gcacagttat ccagcaactg tatcagcaaa   360

gattcgctat tgaacatcta cacattatga aagggttaat taacccatcc acagtggcta   420

cttg   424

<210>   7969
<211>   342
<212>   DNA
<213>   Glycine max

<400>   7969

agctttgatt agcttatatg aatatattag tattttctaa tgcgtaactt tttccatttg   60

gtttttgcta atggaaagtg gttggctttc ttggtgtgaa aatcatatgc taattatgtg   120

cagactaaat ttctacaagc caaggtaaat tcttctaata cttatatact ggaacttata   180

atcacgaagg agatattata tatctttgct ggtaatgtta actatgaagg tcttctggat   240

cgggactctt tttagttttt caaaatcatt atattatttg aatttttaat ttcaagataa   300

attattattt tattagtcac ttaactgtca attaatacaa ct   342

<210>   7970
<211>   481
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7970

tcttgcgtag cccctcttgg tgctcagaan atccacnaac aaatccctct tattactagc   60

tattntgaat tctttagttc ctgaatgtac aaccttcaaa ttgttgctcg ttcccctctt   120

tgttttctgc aagaaagaaa atcaatatca aacaattcag gctgaattgt tatcgttatt   180

attactcgaa ccataacgaa taacaactaa acaagtctct cttattcaaa tggaaatgga   240

tgttgttcca ccagcatcat cagctntgga acaggatttt ggtctccaaa taccatggtt   300

ggagggggatt agatcaaggg cctaaaaagc attatttttc tacttggtgg gatgacctaa   360

gagccatcat ccaacaccag agtatgaatc ctgctcttaa ccaaatttgc tggaaggtgg   420

gtaggggaga tcagttcctc ttttgggaag atccttgcgc tgatgacgng actcccttaa   480

a   481

<210>   7971
<211>   373
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7971

ttctaatgac aaactagaca tttaaatgcc tccccaactt tacaccaaag tgtatcatag   60

tagttatgga atggcagcct tgttacaaac tctggaaaaa naaaagtgac atttggactt   120

ctattcttca tccaaagatg aaaaaattga gctggaaaac taaattttac caagctttgg   180

aaggcaggtt tctagctatg gacctttttc tctattcatc ttgggaacct gcccgaaga   240

gaagaaaaga tgacatatat ggataaggaa ctagtgatca ggagtttgtt ccaaacagac   300

tggtgccccc aatattacat acacatatat tagtagatta tttttcacat catgattntt   360

<210>   7972
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7972

gtgtcttttg tgtttgaatt tataatacaa ggatctttct tcatctgttc ctacgtctct   60

acccattctc attcatttgc atgtttactt ctttntctga aatggcagat ccgatgacga   120

agtccccgaa ggtactaata cctgggaccc gcctatcgac ttcgagcaag aaatgagtca   180

aacggaagat gaaggaaacg aggatgtggg acttccncca gaattagaaa gaatggtcgc   240

ccatgaggac caagaaatgg gacctcatca agaagaaaca gagctggtag acttacgaat   300

tggcagtgga aaaagggaag taaagatagg tacaggtatt accgcaccta tccgtgaaga   360

attaataatn ctgctaaaag actaccaaga catctttgct tggtcatacc aagatatgcc   420

ccggttgagt   430

<210>   7973
<211>   284
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7973

agcttgagac ttgccacata tctttctcta gttgttcttt tgtcagcatg ggctgttatg   60

atggattcgg tatctgaggg gaacttcata gcccaggtga gggggtggac anctatcaca   120

cgctaaagca tttaaaagcc ggacgatcaa agaagtatat tgtangaagt gtaggcatgc   180

actatccctt atcaaaattn tagaccttnn ntgtttggtc cctcatggcc aaacttagtg   240

tatagctata tgcatccctt ggttcctact ctttctacag caaa   284

<210>   7974
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7974

tgtcattggt caatacatcc ttctatgcta ataatcattt aattcgttct ctntattgaa   60

tggattaatt attgtgatgt aaatttcaaa attaaaaatg aagtgaatta ctcatagaat   120

tagaattggt agaatcatta aaagacgatc cttttatcaa gaaacctcaa tttcaactca   180

tttttattta ttggctgata tcttataaac taataaagca aatctataca cctataaaaa   240

aaattgcagc tccaatgata atagctggag agactcggtc atatgcattt gcaatatacg   300

caacaagaaa tgccaataat cctgccaaca gtgtcccgaa tcctctgttg agccctttgc   360

ataaagttac ccctagaacc aaaagaaatt aaaaaaatat taagatcatg cacaaataac   420

atgcnacaga aacacattat ntaacatagg aatatagaaa tat   463

<210>   7975
<211>   282
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7975

catgcaagct ntgaatgctc tattctatgg agttgacaat aatatcttca gactgatcat   60

acacttgcac agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaacct   120

ccaaagtgaa gatgtccaga ttgcaacttg tggctacaaa attctaaaat ctgaagatga   180

aggaggaaga atgtattcat gacttccaca tgaacattct tgaaattgcc aatgcttgca   240

ctgccttggg agagaagatg acagatgana agctggtgag aa   282

<210>   7976
<211>   378
<212>   DNA
<213>   Glycine max

<400>   7976

cttatatttg tctcttacga gcaagttcat tcccaaaaac ttattagata tgaactaata   60

tatatttaaa acctgcctct cgctgtatca aactgactgt tgaaagttta tctaaccttt   120

ctttggtgtc acctcttcct attcgatgtt cttatagaag aaacactatg attaaaactc   180

actaattcag tagcaagaaa ttctcactaa cttgaatgtc tcctatgaac tagaattttc   240

ttcattaact tgaatgtcta ctatttatat aagtactgct gttaattgat ttcttgagtg   300

tctactatga actacaattt ttttcagtac tttataatgt gaaaatttca cataacttca 360

tatatatgag agagaaac 378


```
<210>    7977
<211>    170
<212>    DNA
<213>    Glycine max

<400>    7977
```

agctagggat taggttgatc cgcaatagga tagttgaagt tacggatcaa gttgatccgg 60

aagaagcatg cggatcaacc tattatgctt gcggatcaag atgatccgcg tgaagctcta 120

ctaattttaa aaaggtgata ataagttata atactgaaaa tggtttttaat 170


```
<210>    7978
<211>    411
<212>    DNA
<213>    Glycine max

<400>    7978
```

ggctacacaa ataacctgtg attgtgtcaa tctcctgtga ttgtgtgtat gaacattgaa 60

gtaggaacca ttagcctatg tgacatctag gcaataacca gattgagata gtttggtgtg 120

gccatgacta tagctctaat agcagccatg atattaagag tacctttttg tcaacctaaa 180

tacagtagag ttgagagaca tacagttccc ttctacctaa ttatgatctc atgtctccca 240

ctttcttctc caatctctct tcattatctg actctatttc aatgattcag ctctctccat 300

aacctgtcct gacatgttgg aatattctgt aacctaagta cattgaacac gaggaatatc 360

aataatgagg cataatattt tgcctaaata tagttcattc tatacttcaa a 411


```
<210>    7979
<211>    348
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    7979
```

catgcaagct tgtatagttc cccaatttat ggttattttg gagtaaattn tgtaaataaa 60

tcttgtttta tggttaacgc cgtctctaga acatttccat tggatttaat gatgaaatct 120

atgcattttc aggtgaaaaa gaggctaagt tttgaattgc aaaaaacaac agttggacta 180

```
aacgcatatc caccgctaag cgcagcttca acgctcttag cgcaaaggag aatctggcaa    240

agcatcagca tcaaatccgt gcactaagcg tgagatcagt gagctaagcg cagtaggtgc    300

cttcagccag gctaagctcg agaatgacgc taagcctaat ttcactta                 348
```

```
<210>     7980
<211>     476
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     7980
```

```
ctcagcttga ggtatttatt ggtataattt gcctgttcca ttaggctttt aatgtcttta     60

gaggttactt cctcgttgac atcttttgtc ttgaatggaa ttgccatgac aggtttattg    120

ttactgtctt tgatatttgg tagttgatat tgtgttgtgg gaggtaattc cgattggatt    180

aactcaccat ccttcacttg ccagtttgtt atgacatttg ttgttggatc acctatgatg    240

tcttgtttcc aagggtaatc tatatccttt ctgatggcat aagcatgaaa ccaatcaaag    300

aaaatgacat taattntgac tctttcgaca aattcgtaga acttgtcttg gatttgtttt    360

cggtttgtac ccttgtaatg ttggaaaaac catctctttt gaggttcatt ctccggagaa    420

tagaaatctt tcctaanggt ttccttatca atgctaaaag tgtcagataa catcat        476
```

```
<210>     7981
<211>     453
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     7981
```

```
tctgaggttg tcgtgtgtat attagaggat atgttcaatg aattatccag acaaggtaat     60

gaaggccttg atatgacttt ctaggtctaa tattaaaaag tgtgaaataa atatgatgct    120

tatttttatt gatctatata ttattcttgt gtaatgtcta agattattat cctttcaatc    180

gtaaaggaag aaaaaattaa gaggaagacc aggcagcatc ccaatgagca atcccacatt    240

ntgattgagg ttgatttact tgctaatatt gttgacataa ggctttggca agctcaagaa    300

attatagaat tgctcaaacc tacggtaagt tccttcacac catgtcttaa tcttctgtcc    360

tgtgggttat gttgtgtgaa tcgactgcta tcgagggtta ctttcatctc tggtcagtat    420
```

tattaagttt gtgatcccta acagtgatac ata

<210>   7982
<211>   373
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7982

tttgatctct tttttgtgct ctaaatggtg ggagtgtgct caaatatatg gggcaaattt   60

gatttggttt cttgcctgaa tacggtgaat taagggtttg gatgaaatgg ccctacgcct   120

ataatgccat tttgagtaat ggggcatgcc cacattgtcc ccggtctttt gtattgacca   180

ctaaaacgcg cgcccaccca atgttcggtg aaatgcctca atggcattag cgcgtaattt   240

ttgtnaggaa acaacccatt gggcaatttg gttgcacata ttttnggaca tgcattcatt   300

ttcaaggact agagtaatgc ccccatattc ctangctagg aaccaaagtt tatgcaaagt   360

cacaaaagga gtg   373

<210>   7983
<211>   353
<212>   DNA
<213>   Glycine max

<400>   7983

tgtcaaggag gtgagcttac gtatgagagg tgtatgtgca gcttagctct agcttctcaa   60

ggaagttttc tcaaagaagc ttctcaagga agttttctca agaaagctta tacaggaagc   120

tacctatgct ataaatacaa gcatatgtag cacttattgt aactttgatg aatgagagtc   180

ttgtgagaca cacttcaaag ttccacttat ctccctcttt tatttcttcg atctcgtgct   240

cccgcctctc tctttctctc cctctttctt ttcctccatt gaagcatcgc tccaagcttc   300

ttatacaagg ctcatcttgg tggagaagct ccttcttcca tggcttattc cct   353

<210>   7984
<211>   174
<212>   DNA
<213>   Glycine max

<400>   7984

cacaatggca tgtttatatg cagaatttc agtcttccgc catctgtcat tgataacaac   60

tgatcaggga aagaagcact acattaaaaa gtataagagt tagaagcaat gaataaagag   120

ttggagcaag ttatattagt tctccacagg acatcacgag cacttagaaa agct   174

<210>   7985
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7985

taagcttaat gatcagcaca nagccatcat ttgtaactat ccaggaccca gcattaaaaa   60

tgtataagct gtaatcaaat agaanattcc tttccaatca tcaagattag tatccaaaga   120

anaaaaaaac atgaaaaaaa aggaaattct gatttaatat acaagcactg gccactcagt   180

catgtaccag cattgggcag ggctgccata aaggaattgt aagaagactc aagatcaaag   240

tgaagctgcc tcgcctgttg ttccgtcaac tcatcagctg cacccatctt agataacctt   300

gcaatccatt ccttcattnt ggttntcccc tcaaaatcag gcggcaggaa tgtcaactta   360

ttaagcgaag cataaaggtc cgagagcaat gggtgcacct gatccacagc caccatgtta   420

agtttcaagg aatccattga agtaataaaa ttctgaacac act   463

<210>   7986
<211>   367
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7986

agcttgcaaa atgcgcgcta agcgcgcgat ctacatgcgc tgagcgaggt ggtgtcgcgc   60

tgagcgcgca tactaaggcc ccaaagccac tttagcagct ataaatagag agtcagttca   120

ggggatcgac acaccaccac agaaccctcc tctcctaggg gtttcactta ctcccttttt   180

ttctttcacc ccttctcgtt gtaaaatctc aatggccatg agtggctaaa cccttagtta   240

aggtctgaca ggcctagaag ccaatgcaat gtatgatgta ctcttcacta tttatcaatg   300

caataccagg ttnttctttc ctattntctt ttctnngttt acctttgcat actcatctta   360

tattctg   367

<210> 7987
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7987

```
tatccaaaca ggaaaaaata acatatgctt tctatgcttc tgatagactt gaactttata    60

tatttgatca aataaagagt acactagatg aatttctcaa taaatattta taggagaaaa   120

aaataataag gtaaaatgaa ttaaatntct ttgtcttcaa ctaacacagc taatttaact   180

cataagtact tactgagaag tttatccaaa taaggtctaa agcttaatca gataccgaaa   240

cgggtatgga gggagtaaaa ntaattttaa caaaaagagt gtgacaaaaa acaatgaaat   300

gaaagagtac ttcgaaattg gtcttctaca ggtgtactga tggcccatcc attattacga   360

cagataanaa caacaggggg cctcatgact gctgcaaaat tcatagcagc atgaaaaatc   420

t                                                                    421
```

<210> 7988
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7988

```
agctagcgct gatccaaaaa tttcaaaaat cctatatgtc taaaacatta gtctcgctta    60

gcgcacagac gcacttaggc gggtcatcaa tgaaactcat cagaaggatg aatgtgctta   120

gcgcaatcat ctggaaacct acaaattcat caattgcgat gaacaggcta agcgcagcag   180

gcgcgcttag cacgttcatc acaatttcta gcagaaacac aggggtcctc accccttta   240

gtagcatntc ccctaatggg cttaaaactt aacttaaatc ctaaaatagc aaaccctaaa   300

gctaaaaacc ctaacctaaa cagcaatgca agctaacaaa gcaaga                   346
```

<210> 7989
<211> 348
<212> DNA
<213> Glycine max

<400> 7989

```
cttatcaatg aatatcctat agaaccatat cattgaaaat ccctcagaca atatcataca    60

tgaaactatg ttgatagatg tgcgaacata cgtagctatc atggtaaata tgacacctta   120

tactgatggc atacgaacgt tgattgttac actatatact tatgagatat cactgatctc   180

ttgatatatt atgtcattcc ctatctatat ttatgaacga acattgcatc tttaccacaa   240

gattattatg attttgcttg tgccacacaa ttatattatg tgattatgtt acaataatta   300

cagaaggagc tgctgcttta gcatacagcc tattgtatct atgtgtat              348


<210>       7990
<211>       267
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       7990

gcttctatat aagctgnaac catttatcaa taaacacaag tnngagttta ttcagaaaat    60

taagagttta tcttttttat cttagtgaga gtgattcttc taaattcttg agtgattcaa   120

gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag   180

agtgattctt tccttccaat catcttcacc cttgttcttt caaaccacaa ttccagaaaa   240

tccacctctg cccaaaatta tctcgtg                                      267


<210>       7991
<211>       458
<212>       DNA
<213>       Glycine max

<400>       7991

cggaagctct cgagaaaatc gagtggtcat atattttcac acagttgttc gattctgcga    60

aataatatat cgagacgcac gacattgaac aacggaagct ctcgagaaat ctgaatggtc   120

ataacatttc actcggatgt tcgatccggg gacataactt atcgagacgc tcgaaattga   180

acaaccgaag ctctcgacaa attagaatgg tcgtaactct tcacgcgaat gttcgattcg   240

gggacataac tcatctagac gctcgaaatt gaacaacgga agctctcgag aaatttgaat   300

ggtcataagt tttcacacgg atgttcgatt cgggaacata atatatcaag acactcgaaa   360

ttgaacaacg gaagctctcg agaaaatcga atggtcataa cgttccacac agatgtccga   420

ttcagggaca taactcatct agacactcga aattgaac                          458
```

```
<210>      7992
<211>      153
<212>      DNA
<213>      Glycine max

<400>      7992

gcttgtgcat tcgatatcct gatgagggtg ttccatatgt tctcaagact gtactaataa     60

atatgctgac caagttacat ggtctagcag gtgaagatcc tcacaagcat cttagggaga    120

tccatatagg aaatgccacc atgaaacacc ctg                                 153


<210>      7993
<211>      210
<212>      DNA
<213>      Glycine max

<400>      7993

tataatctca cagcgctgtg gagagtcatt atatactata acctctacca aggttatgta     60

tattgaaaac tattaacagg tcatgcggac cagacctact gctattacga aaataaatca    120

cagaacacgt aaaaatatta ccttattgac aaacgctcaa cataacgcaa tcacattatt    180

cagacacatt gtaaaagtca agctaaaaaa                                     210


<210>      7994
<211>      396
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      7994

agcttgatgg tgtcgataat aaatcacatg tttgtcatca tcaaaaaggg ggagaatgtg     60

aatgtatgta tacatgattt agatgatgtc aaagaagaat ctaaccaggc tgcttcaaat    120

gataagcatt tgctttcaaa aataattaag aatgctttaa caaacaaagc cttgtttcaa    180

gattcactaa agaccaagcc ttgccttnaa acaaagtgct ttcaagacat gcaaggctct    240

ggtaatcaat taccaggaag tgtaatcgat taccagaaga cagggttgag aaatagctgt    300

tgaaaagggt tatgaattga atttaacatg aatcgatacc acatgtctgt aatcgattac    360

cgcaacgaaa ctttggaaat caaattcaaa gtcata                              396
```

<210>   7995
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7995

```
cccattttct cccctntggc aacatcaaaa agccaaagaa cttgggaatc aaaacagata    60

tataataatg aagtggaaac agatcaatta caaagtataa ggcataacca accaaactca   120

taaataaggc ataaccaaac cagaatccaa acagttcaaa attcaaaaac acatagtatc   180

aaagcataaa agtctgaaat ccaaatacta caagataaat aaagtactga aaataataat   240

ctaagtagca tagccaaaat acacggctta taagagacat agaattagaa actaaattct   300

aagaaggtga aggtggtggt ggaagatcga aactctgacg aatgtaaccc acatcctctt   360

caagttgtgt gaggcgaata tccattccgg caaaacgtgt atccagtgag tcgaaacgtt   420

caccaacata agaacgaaga acccgtaatt cggaaagaac ttcagtcatg               470
```

<210>   7996
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   7996

```
agcttaatag gccttctttg tcgggataag cgactaccct aaatgcatga cgattattcc    60

acttatgaat cattggggcg aacaattgcc cccaattttc gtcatgtttc cctttttaatg  120

gtatgccatg aatgtttaag gttgtgaagg agacttttga attgggtgct gcatcccaaa   180

ttgtctcaat actctgtccg gttggtgcca ctcaataact tgaaacaaat tagtggcacc   240

accgcgtacc acgcgagact tccgactaaa canacgggag gcaacagtga tataacggtt   300

gatgggtgct cccacacaaa ctgcaattaa caacatagtt gtgaacattt tagtanaata   360

acacatataa nttttttattn ntacaaatac atagcatgtt cttacctcat ga          412
```

<210>   7997
<211>   473
<212>   DNA
<213>   Glycine max

tgcccaatgt ctcaataatn tattttttgc tatgtcagaa atttcccaag gttaattact   60

tcactgtaaa tcaccttgaa gaagaaacat ggttttgtaa tggtcatcct cacctttttg   120

gcaaaatgga acagatgccc aatggtaata aatgttccat tagaacatga caatatgaga   180

ctttaaacct tttaacttat ggtctttcat agatacgagg cttccaatgt ttgatgagta   240

tcccttttgga actttaactc catgaagaaa cttacaaaaa gatatttttt tcttttctag   300

ataaagtata agttgtgata agtgtcatat ttcagttatt gttggtatta aaatgttagc   360

acttatcttt cgattgtaat agttttctta taaactttcc ttaaacctag ttgtttttata   420

tatattgtac atctactaat gttttttggtt caatatggaa tatntatcga tga   473

<210>   7998
<211>   316
<212>   DNA
<213>   Glycine max

agctngtaaa actataatct atattgacat tcaaatatgt tgtattaaat aaaaaccaca   60

cgaatgctaa tatataaaaa aatctttata ttttagtcag cgtctgccag ctcaattaaa   120

aaaattttga tatgcattgt ggttagatca acaaaataac tttgttctat tttaattatt   180

gcttgaacgt atcatgcgac agtaacacaa acttcaaaaa tatatattgc gccaccttcc   240

agagctacca ttagctgaag attttatgtg gtatggaatt tataaccact atttagcata   300

aaaaaaattg tccgaa   316

<210>   7999
<211>   481
<212>   DNA
<213>   Glycine max

acagcctctg tgaccgcgga gacgccgact tcggagcgag cgtttattgc cgactatcaa   60

cgacgatctc aggaacttcg aacataacac tctcacagca attgctgatc aagcgtttct   120

acaccgttct atgaatgctg agaagaagca gaccatgtta tacgcggaaa cctgctacac   180
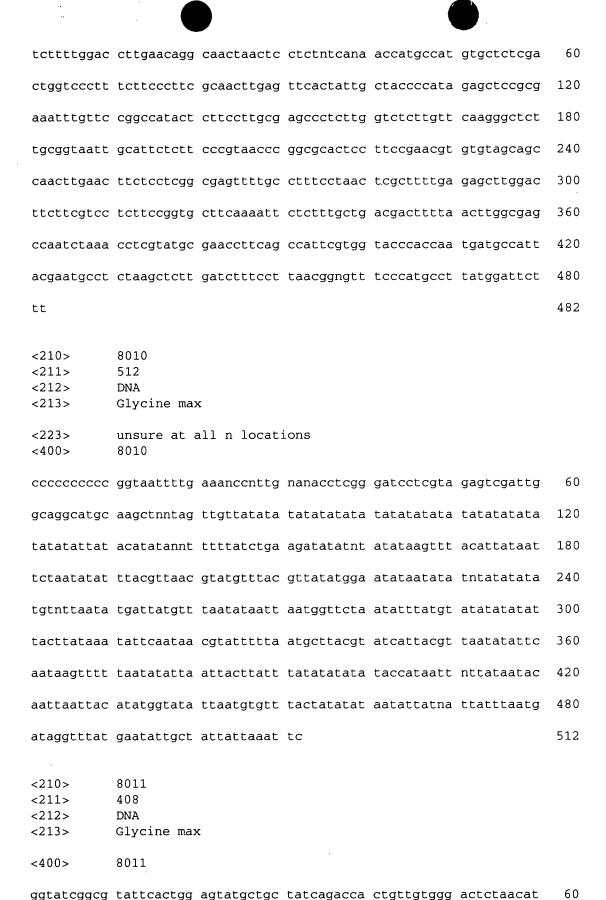

3402

```
gtattcaatc tgatgaatgc tgtcctatag ccgtaaaact gcgacgatgt acccgtgcac    240

cttcacaggg atgacgagcg tttcggacgc ggtattcacg tagagctgaa tgttcatggg    300

cgtggaactg acagctaatg tccttactag tcttgcctcg tcttggaggt cacttgaagc    360

tgaatgcgta tgtcgtgaag gagttctacc ttacaatgat cgctattgta atggagaaca    420

tggtcatggc gaatatgact cgctagtaga cccgaatgta ctgaacgccc gacgttcttc    480

n                                                                     481


<210>      8000
<211>      369
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8000

aggtcaataa tacggaaaca ttgccctttc tggacttcac acatccatgc ctcacccgct     60

ggacagactt catttaaaac ggttttatca aatgctngta aactggtcat gcgtattctc    120

ctcgggttaa gcagcatcaa atgcgtaata acgtgcgttg ttgtgaaaac cgcgttggtt    180

ttgtgggcat gaatcacgac agacatcgtg tactgctaaa gcggaggctn tgaataagcg    240

catttgaata tcggctggct gatactttgc tgcttggctt aaaccatgtg gcgcgccaga    300

taggaacacc agacagtcca tctcaaaacg cagttcaata gttggatggg tattgtcagt    360

atcgatata                                                            369


<210>      8001
<211>      464
<212>      DNA
<213>      Glycine max

<400>      8001

gagatgtatc ggagtggacg cgacagcctg ttacttgaaa tgaccaattt ctcattacgt     60

caagccgacc tgtcagctac ggtcaatttа ttctctaagg ttcgtcctga tgatgcaggc    120

aacttatctt atatcgatac tgacaatacc catcaaacta ttgaactgcg ttttgagatg    180

gactgtctgg tgttcctatc tggcgcgcca catggtttaa gccaagcagc aaagtatcag    240

ccagccgata ttcaaatgcg cttattcaaa gcctccgctt tagcagtaca cgatgtctgt    300
```

cgtgattcat gcccacaaaa ccaacgcggt tttcacaaca acgcacgtta ttacgcattt   360

gatgctgctt aacccgagga gaatacgcat gaccagttta caagcatttg ataaaacccg   420

tttaaatgaa gtctgtccag cgggtgaagc atggatgtgt gaag   464

<210>   8002
<211>   350
<212>   DNA
<213>   Glycine max

<400>   8002

agcttcagca caagaatatt atgactgaaa aatgatataa cctaaaatca tcacaaaaac   60

atgattcaag ggtagaatct ataaaattga accatagaaa tgcaagaaca agtgtagatc   120

taagaattaa tcggtttatt tttctgaatc tactataaac aacaccaaac cacaagataa   180

tggaggagat acatggagaa aatgatgaaa aacaaggaat taaagtaaat tgactgaaca   240

aaagatagag gaagcaaaag aacatcactt agatgaatat gttcttgata ccacatgatg   300

tagctccatg tagagtttgt aggccttgga tcttcttcat caatggagta   350

<210>   8003
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8003

tgtggactat accttcgact gaacacggcc atgtttctgt ctgggcccgg attcaatgcg   60

ggctgcagca ccggctccgc ttccctaact gtactggagg cggttgcgat ggctttatcc   120

tctatggttt tctggagttn taacatgacc tccgagatgg aagccatttg atcttttaag   180

gctgatagat cggccttcat ctgttcctgc acaccctctt cattatccat ttttctggat   240

cgagtgttat aggggtgcct tggtgttttc ttagttatga tgaaattcct aaagaaataa   300

acaacgatga gtatgccacc aaaacatgag tatgcaaatg gatgatcgga ccacttggat   360

ccaccccaag ggttttaga taacatgatg agttcagaac ttcttaattt ataaaaagaa   420

cacagctttc atcttgccaa gaatatacaa aaggttttac aaaagaacct   470

<210>   8004
<211>   191

<212> DNA
<213> Glycine max

<400> 8004

tgcggtattt cacaccgcat atggtgcact ctcagtacaa tctgctctga tgccgcatag 60

ttaagccagc cccgacaccc gccaacaccc gctgacgcga agcccttgag gcccatcgaa 120

tataacttcg cgtcatgtat gcttacgaat cattatcgac gagctcgacc ttgcttgtta 180

ttccaggacc g 191

<210> 8005
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8005

agctngactg gtaagtttca actatcacag aaactaatct tttgttgaat nctncatgtt 60

attgtatttt ataaattata aattattgtc ctcataatat tttggtagta aaaaagttga 120

ggagaggaat aaaagtaaaa ttggaggcta cacaacccc agagtggtaa cctttctct 180

ttcgaaatgc gtctcttcaa ttgttgaaca tattatttaa tattaaagac ttaatttcat 240

tccaggggac gagagatggc gatgggtata tttcactaaa agttgagtga ataaattaaa 300

tttgaaaaag agagaagaa gtccagtttg caaagaaatg acanaaaaaa cttctcatat 360

atttataaac taaagataac tataaatgct anaataataa atg 403

<210> 8006
<211> 196
<212> DNA
<213> Glycine max

<400> 8006

tcaagcatca tgaatcccat cccggattcg gagatgaaat ccagatgcta cgagtccaga 60

ctgtctttag gatatgtatt aacagaattt tttctatacc caatatcgta atcttgtgct 120

acaaaagaat tttctcaaag tttctcagtt accagagtga ttactctctg gcaatcgata 180

tccagttatt agttat 196

<210> 8007

<211>	464
<212>	DNA
<213>	Glycine max

<400>	8007

tcttcgtcag tgacctctat gcatgatttc gtctcagtca tcattactta tctcttcttc	60

cacgctgcat gtgctactgt atttatatta ttgtagatta ctcattgctc atgatatgaa	120

attgttgatc ccataaatgc tttctgtata ttgcctccta ctttcaagtg tttatgaatt	180

tattcaattt gatgtaaatt aaaaaaaaaa agattatcct aaaacactca attttattca	240

aatatatatt atcttaacaa gagatccatg agcaatgaat gttgcgaaat atatggtgta	300

ggatcacgat atgaatgatt cattaccta acgaatcact gtaaaagcag gtaaaacgaa	360

caggtcaata atctaatttc aattctcata tgtttgcatt caaaaacaca ttccttaact	420

tgaatgtcga agtatatttc taagtattca ctcatcacca tcga	464

<210>	8008
<211>	415
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	8008

gatcgattac cgatgaagac cgattgagga ccgtcgaaaa ccggtggaaa cttttgcaag	60

aatcctaacg aaaaccgtac cggaaccaat ccggaacggc ctggcttaag atttctttaa	120

cggaaccatt ttttccagcc aaattcaaag gagaaaaagt gcctaggggc ttgacccttt	180

ttcttcttgc attcctccct nattatagca aaatagggga ggtggggtgc cgctcagctc	240

gcccaggcga gctcagctcg tccaggcgag canggttgct ttcttcagaa gcaccgcctt	300

ctgaggaatc ttctgaggcc caaatggccc tggtgctatt tgcaccctca ttttacctaa	360

tacacnnncc ctctgctgtt tttttggtga tctttttct aaacgtaccg aaacn	415

<210>	8009
<211>	482
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	8009

```
tcttttggac cttgaacagg caactaactc ctctntcana accatgccat gtgctctcga    60

ctggtccctt tcttcccttc gcaacttgag ttcactattg ctaccccata gagctccgcg   120

aaatttgttc cggccatact cttccttgcg agccctcttg gtctcttgtt caagggctct   180

tgcggtaatt gcattctctt cccgtaaccc ggcgcactcc ttccgaacgt gtgtagcagc   240

caacttgaac ttctcctcgg cgagttttgc ctttcctaac tcgcttttga gagcttggac   300

ttcttcgtcc tcttccggtg cttcaaaatt ctctttgctg acgactttta acttggcgag   360

ccaatctaaa cctcgtatgc gaaccttcag ccattcgtgg tacccaccaa tgatgccatt   420

acgaatgcct ctaagctctt gatctttcct taacggngtt tcccatgcct tatggattct   480

tt                                                                  482


<210>      8010
<211>      512
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8010

cccccccccc ggtaattttg aaanccnttg nanacctcgg gatcctcgta gagtcgattg    60

gcaggcatgc aagctnntag ttgttatata tatatatata tatatatata tatatatata   120

tatatattat acatatannt ttttatctga agatatatnt ataaagtttt acattataat   180

tctaatatat ttacgttaac gtatgtttac gttatatgga atataatata tntatatata   240

tgtnttaata tgattatgtt taatataatt aatggttcta atatttatgt atatatatat   300

tacttataaa tattcaataa cgtattttta atgcttacgt atcattacgt taatatattc   360

aataagtttt taatatatta attacttatt tatatatata taccataatt nttataatac   420

aattaattac atatggtata ttaatgtgtt tactatatat aatattatna ttatttaatg   480

ataggtttat gaatattgct attattaaat tc                                 512


<210>      8011
<211>      408
<212>      DNA
<213>      Glycine max

<400>      8011

ggtatcggcg tattcactgg agtatgctgc tatcagacca ctgttgtggg actctaacat    60
```

gttgataaaa attgctctgg aggctgactt caagcatgat atttattatt agagaaagga   120

ttatatttt tttataatct gatatagaat gtaattatga tttattcaat catataaatt   180

atatctatct actatcgaga tcgtgtgcat caaatattgt tctaattgaa cgacagttaa   240

cagggtgtca aatgattcac atttagtata ttttaaactc ttttattacg tcgatgatca   300

tttatatgaa caaaatgtca aatgatgttg cattgatata caattttgca tgtgtaatct   360

atgtgaaaga gactttcaat ccaacatcga atcttaatga aacattat   408

<210>   8012
<211>   352
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8012

aggtgcgtag cccaccattn tccatagtat aatactggta atgtgtctac tatcattgca   60

tcgttttttcg tcattgaggt gccactttga gctgccaggt tctccacctt tgggcgtatt   120

tttgaaagat ttgtgccccc tttttgcaca tgttctgtag ttgcatccta tccaaagaca   180

ttatactgac actgcctaac gaaggcaacc actaggtcct tccaagaatg gactcgggaa   240

ggttccaagt tagtgtacca ngtaacagct acccagtaag actttcttgg aggaatgtat   300

cagtaattcc ttatcttttg cacatgcccn catctttcga taatacatct tt   352

<210>   8013
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8013

ctccttgtct atgcnttcat ctttttgcat ctacgaccaa tctctgccct tgtcaatgcc   60

caaaatgtta catgtctcat tgttgtgacg cgttctggga gtcatgtgat tgcttcgaga   120

tttgtttata atgttgtgag atatgacatc acgtgccatg agatttgctg aaagtcacaa   180

attagattca agtgccatga gactttgtc acaccgctgt gagagttgat agagtacttt   240

tattttggtc ccccatcatt ccatggatgt ttgggactaa aaaaataata tttttagttg   300

gtggaccaaa atcaaaagtg tttcaacatt gagggactaa aactaattta agcccaggct   360

aattaactaa gagtctaaga ggttaatgaa aaanatctct atctaaaaca actactaaaa   420

tg   422

<210>   8014
<211>   385
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8014

tcaaacgata gatacattaa tacacgagta tcattgttgc actgttaggg ttgcggctaa   60

attcaaatta gtggtgactg gcatcatgct aaatattgcc ttactataaa aaaataaaaa   120

tgaaatacaa aattttgcgc ccattttgtg ttggcctact agcgtataac gttggtgtcg   180

agcatgatgc aatgtatagg atattatttt agtcattntg cttagtgtta gtgttgggga   240

aaaaatgtgg atcaagagcg tgaaaatctc aaattctata aaatatgtac ctttattatg   300

tcagtgacac ctaattttac cttgcaatgt gtgcacaaaa gtggtctata gacatgtgaa   360

agtcactggt tgatgtgtgc aaaat   385

<210>   8015
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8015

accttctcac agtgtgctat atcatcatct gcttgggtat cttattggat tttttgatgg   60

ccattgtgaa attgattgtt agtactcttt gcacaccttc aagttgttaa ctttgaaagg   120

gtctcttgag ggtgctgaaa gtgtgtgatt catggggcga gtttggagag gctttagtta   180

tcattgggac attggtatgt gtggaaaata gaaattgagt tttagagaaa acagggtcac   240

gtggatgtgg ggacatgtag cagaccacac ccaaattctt cgtacatgtc tgcgagagtt   300

gcaagcttga aaagaanaga ttcagattct ttttttaatg gtggatcgca acaaattcaa   360

aatatttaat tattcatatg tagttaataa ttgttttttgg gatctagaaa atgacgacag   420

gaaaatggat agaatgaaac ttaggtatcg ctgtgatgga ta   462

```
<210>      8016
<211>      307
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8016

agctntaaca tgtcactatg tgtccagagg acctatcctn caatgagctt aattagtatt      60

cgtgcattac acacatgcgt tcaatatatg gattaaaaca ctggacgtaa gttaataaaa     120

cacaatgttt tgagtgcatt tatgctaagt cacctaaagc acgtcggatc tcttatgaaa     180

aaagctatat cttttcaact accttcatgt tctctttctc tctcttcacc ctaaacactt     240

aatcgtcacc atcactcatc attatgacct ttcactttta aaactctttg aaatcttttt     300

gatattc                                                              307


<210>      8017
<211>      484
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8017

tactcagctt ggtacacgcg gagatttacg tcatctttcg tactcacaag atctgtcata      60

ctcacatttg agtcacgctg accggcggaa atacccgagt ggttagccgt ataaacattc     120

ttcttgctat ctgtaagacg aaaagcctga tagcatgcga agactgacat cgtcttctgc     180

gcccttcgtc aatcgcggcc gacaagccca ttgacacgcg gagatttacg tcatcttcgg     240

cgctcacaag atctgtcata ctgacatttg agtcacgctg acgggcggag atacccgagt     300

ggttatccgt ataaacattc tttttgctg tctgtaagac gaanagcctg atagcatgcg     360

aagactgaca tcgtcttctg cgcacttcgt caatcgcggc cgacaagccc gttgacacgc     420

ggagatttat gtcatnttcc gcgctcacaa gatctgtcat actgacattt gagtcacgct     480

gacc                                                                 484


<210>      8018
<211>      348
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
```

<400> 8018

gctgtgattt taactattga agaaaaataa tacactatat aaaaaatctt gatatcggtg 60

ctcattgtaa aatctatcca aagttccaca ttcttccgta tccaatacta taataaagaa 120

tgttttgctg gtttcaaagc tatcccatct tgatttagtg accacacaat gctnttttcc 180

caggctccta gttctcttaa acggtgattc ttgttctttt taaagagtta atgagatttc 240

ataagatggg tatgcaaaat actgggatgt tgaatcaaac tcaatctgca tcacattcat 300

catttttttt aactatcttt gattatgtgc attgatgtta aaatactc 348

<210>   8019
<211>   282
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8019

tctagccaaa tggacttacc ttgaattaat tcctttgata gccctgttga gccttgtttc 60

cctttccttg ttttgaagct cactacaagc cttaaatgaa aaaccatgtt atcaccatat 120

ccttaatgaa ttctggagct ttggaattag tttgggaata agtgtggggg gtatttgttt 180

cattggataa cctgttntga tggctatgct tcatgatgta ttttgggcca tacttgatgt 240

acattgtata ttggttaaat gttggacatg ctgaatgaaa tg 282

<210>   8020
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8020

agcttgtatt gtcactcaga tcttgactag ttatagcttt ctaaataaaa tgagtttatc 60

tccacgtttt actccaaaaa acagtgcgaa tcaagtcact cccacatttt atctctagca 120

ggcattgtat gttggtctcg tcctttgtca cgggaagtcg gaaggtccat ataaccttct 180

taactgtaca catggngcac tgcgcccnca aatgcgcaag taagaagaga taatcttcca 240

ggctctcgtg ttcataaatg cattcatatc atgcatcgca taagcatctc ttcatggcat 300

cataatgaac atatcattcc cgcatttgtc ccgtatcata ttccagcctc acattttgca 360

tgnagtcata catcatcatg catatg

<210>   8021
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8021

ttgagccana atcctgactc accataaacc ttgacccagg gtgataatgt caatccttac   60

cctcggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaatgaaaa   120

tttccaatga aagcaaaaaa agaaagaag gaaaattccc caatcaaaga gtgggagaaa   180

gcaaaaaag aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa   240

gaaaggaaaa ttcccaatca aagaatggga gaaagtaaaa aaggaagaag aagaaggaaa   300

gaaagctcct gatcaaggat cgaaagaaaa cagaagaaat gtgcagagag gtctttggac   360

cggacaatat ctgaacaata cagaattgcc accaaatgaa cgantaaaga aggaaaggga   420

accacgacct aaaatagtct tcttccttta ttaccaacca aaatcccgtg   470

<210>   8022
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8022

agcttggtta tggacaatat cacccacct gacgttccca aggtctcctg accccgcaa   60

catatctcca ggtaccactc tgtggtcaac aaacaaaagt aggaagactg actcttccac   120

tctttctcac atcaagctta ttggattatg gggcacccgt cttaggtggt actaggtggc   180

gatcgggcga tggcgcaaac caactttccc acttccacaa atcanacata aacacaccat   240

ccccagttgt ccacctttca actgagctca cgcactccta cgtagccctt atcctcgttc   300

ctctcagcac cgagtcccca tcaacccttt ccagctttca taatatccaa gcaattcaat   360

cccaaatatc atgaaactac   380

<210>   8023
<211>   452
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   8023

tcatgatgat gaatcaagtt gattcaagtt attttgatga tgactaagat gatgacaaaa   60

atatcaaaga atgatttcaa gattcagcca acaagttcaa gatcaagata aatttcaagt   120

ttcatgagaa gatatcaaga agattcaaga atcaagataa gtttgatttc aagattcaag   180

agaagattaa ttcaagattc aagagaagaa atcaagaaga cttcacaagg gaagtattga   240

aaagattttt caaaaaacaa acatagcaca attttgtttt tcaaaagagc atttctcaaa   300

attttctaag ttaccagagt ttttactctc tggtaatcga ttaccaggtt cctgtaatcg   360

attaccagtt gcaaagtttg atttcaaaag cttttaactg aatttgcaac gttccanatg   420

gttnttaaat ggtgtaatca attacaatat at   452

<210>   8024
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8024

aggacccccca ccacctcggt gcctggacct tgnnntgcan ncnccnngna nttctacgta   60

accgtcgagc accgggaatc cttgagtcga cctgcggcat gcaagctggg ttcgaggtac   120

ttacccgttg aagatcgatg accgatgaag accgaccgag gaccgtcgaa gattggtcga   180

aaccttggcg aaattcctac cggaaaccgt accggaaccg tttcggagcc gcttcggtta   240

aaatttcttc accgaaccat ttttccagcc aatctcaaga gagagagtgc ctaagggctg   300

accccttttc ctctcacttc tccctattat agcaaatagg gagatgatgc cgcccactcg   360

cccggcgagc gggttgcttc tcagaagcac agctttagag aatatctggg ggccaagggc   420

ctggtgtatt gcacccattt actagacacc accttgattt tttggatctt ttgaaaga   478

<210>   8025
<211>   371
<212>   DNA
<213>   Glycine max

<400>   8025

```
ctatgaactt ggaaaggaac ttgaactata ctatagcctt ctcgtgctgg tgtatcttga    60

tattaggcag aggcaattct caaggaacat caagctcact ttcggataag gttcatcaag   120

ttgaatggaa atctttatc accctcatct tgttcttgga cttaaacctc atgcagaggg    180

ataagggtat accattataa tgattgcata gttggtcata tagggttaat tgaaagtata   240

taatttctct attttttca ggacagattt gtttaataat tataaatgga ttcatagctc    300

cttcttgact ttcagcttct acagtgcatt catatcaagt gataacattc tcttttatga   360

ataataacat g                                                         371


<210>      8026
<211>      381
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8026

gacatgtgcc tgagatgcat taaaacctaa tctcaccagg aaagctagat gaagctggga    60

tgacaaacca gtcagtgccg aaagatggaa tcatagtaga gaaagcatgg tcattgctcg   120

aggaaaaagg aaggctcttg tacatcatgc aggaaagata tgcaaatggg agatgaatgt   180

tgttcaaata caaccaaggg attgtggcac aaaagattgt gtcacatgag tgagaaaggg   240

ttggagtttc tagcaggggg atcatttcca aacataaagg ccagtcactt gaaggtaaca   300

acgcanaatg tctttcaaag atcgatgagg ctggaggaga aaataatcta gatctgtcac   360

tagatgttgc tcacgctgaa a                                              381


<210>      8027
<211>      249
<212>      DNA
<213>      Glycine max

<400>      8027

tgcaacattt ctttctacac attacatgcc atataactat tgttcgtaaa cagaatacat    60

agcattatgg tgagtctaac aagataagga cacaacatgt tactatcttc atttgtgaat   120

ggaaaataaa tacgaaggaa aattgtcttg cacaaatatg tataatatag catctattat   180

gggccttccc aaaatcaaaa catagcatct attttggttc gacttttgtt gaaagtgtgt   240

accccccgc                                                            249
```

<210> 8028
<211> 126
<212> DNA
<213> Glycine max

<400> 8028

ctgttcaatg gcttcaaatg gttgcttgtg gcgtccttaa tttaatgact ggtttattat   60

tattaattaa attaccaaaa cccatgtgaa aatttttttc ctcctccttt tccttttccc   120

ctcctt   126

<210> 8029
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8029

taggagagat atacagacat tgtggtgcct aggaagctat taccggagag gaatgtggta   60

gtttattaca ctgagttcga caagttcaag gaggaactcg agagaagaca ctgtgatgag   120

aagttgactg attgtgccga tggctgtata gacattgcta ttgtgaagga attttacatg   180

aacctctatg accccaagga taaatcaccg aagcaggtga gggtgagagg tcatctagtg   240

aaatttgata aggatacttt gaacacattc ttgaagaccc ctgtagttct ggaagagggg   300

gaaaatttgt gtacttattc catgtntgca ctcctgagac ctaatcctca ggagttggct   360

gctaagctct gtatcccagg gagaggattc aagctaaatg ctgatgggca gtctttgaag   420

atactgatga agaacatgac cactntagct tcgacatgga gcgttctttc cttttctaac   480

ctga   484

<210> 8030
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8030

tgagatgagg aagtgttgaa gggtgaaact tcctgctntt attgttgacc acagagtggt   60

acctggagat atgtcgcggn ggtcaggaga ccttgnggac gtcaggtggg gtgctattgc   120

3415

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg   180

tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca   240

aagcaaggag gcttgtggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg   300

cctctggtaa tcgattacca aaggtgagta atcgattaca aggcttaaaa ttgaggacag   360

gaggctaaga tggtctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga   420

aaacgaagtc aggaaactt   439

<210>   8031
<211>   315
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8031

tgaatctgcg gccacatcat ggactcctct aaggacaata tcatcatttc ttgcactgaa   60

ttgttgggag ttggaagcca tcttctcaat cagattccta gccccaacan ggatcatatc   120

actaagagct ccacccactg cagcatcaat catactcctc tccatgttgc taagtccctc   180

atagaaatat ngtagaagga gttactcaga aatcttgtgg tgaggacaac tngcacacaa   240

tttcttgaat ctttccagta ctcatacaag ctctctccac taagttgcct aatgcctgaa   300

atgtctnttc tgatg   315

<210>   8032
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8032

actatgaaag ctgccaactg aatagcatgt tattcaacct ttagctttat ctattntgtt   60

cgttacagga tgcacacttt atggtggagc tcatgggtca ggcttgtgca ttcccactaa   120

tgaaacgtct catgaagtta attacgtggg aaaccggcct gcacaaaatt gtaatgcaag   180

cggatttat ggatttcaac atggtcaacc ttaccagcat cataatctat ggataactta   240

ccctggtgat tacctcaata gagtccaagg tgggccatct aacatgccac aacaacgacg   300

gcctagctta tctgagagaa caacaaagct ggaagaaact cttgcttacc ttatgcaagt   360

3416

gtcattgact aatcataaga gcacagagac agtcataaca aatct   405

<210>   8033
<211>   496
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8033

agacaacaac cggttatttg aacnccatgc gntacactgt atccgttcga gaacntgacn   60

cnttagacna ccctagaaac aaacccagac taagttttt ttgtgagaac tctttctata   120

caaggtgtgg ccttgctagc aacctatttt gaccacatct ttgcaaattt gaggccatgt   180

atatggttag agaaaatcga acgtgtgtta ctgactacaa tggtattctt cccagataca   240

ttattcaaat atatcagtta ttaccctccc aggaataatt tccaaaataa caatacatat   300

tagctggtga acatactcaa tgaagagaaa attcgatatt ataaactagg gcttaacaat   360

attagttgtg acaatcatac tattgtggag gaagatccat ggtatacacc tttccaatga   420

aaagcatcgc ataatctgac tcctttagtg tgagaaaaag aaaagctacc cactttttaa   480

atcggctgct aattcg   496

<210>   8034
<211>   538
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8034

acccggcaat gagacttgaa tgacngcnct gatanactca agcttataac aacacactat   60

taactctgtg taaagactag tacagatctt gactctcgtg tactccctta ctgaggacct   120

tggcgaagac ctttattcac tcaacttgag actttatctt ccttcatcta tttatatgct   180

cgaatatggt gctgcgcaac atggaacacg ccatcccagt tcgtatatat ctataccgca   240

cacgtgttct tnatagaaca cgcccanngc tggacccttt cccatgaatt attttaggtt   300

ctaattagag gcgtagccta tactgaagat actagcgtgg acacgctcac tggtgcgaga   360

atgaaatgtg cgtatacatg atgaatcaga cagcttccat ggatcccata ggtgtcataa   420

ctatctacca gggaacacac aattgagacg tacttgccac caataatatt atcccgaata   480

3417

ttgtggctac ttgctattca atgaaccgaa aacaattctg attggaacca cgatgacc   538

<210>   8035
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8035

gcaagctcgc cgcccagctc gcccaggcga gcaaggttgc ttcctccaga aggaacggcc   60

caagtgggcc tggttgctat ttacaccccc atttttacta aatgcacccc ctttctattt   120

ttttgtaatt cttttttccgt aacgttacga aactttacga attccgtaac gatacttatt   180

gtccttctgc aaggttatga atccttacgg attatgtatt tactcttttt tagctttcga   240

agaagttacg gaaacccccg gattgcgcaa aaacacctct tttcgacttc cgccacatta   300

cggaatttca cggatcgcgc angcctcgct tcttttaatt tctgagacgt ctcaggactt   360

catttactgt gcaac   375

<210>   8036
<211>   458
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8036

tataagaaca aaactgcctt aatcatttcc aaatatgcat gtgatttang acgcatcttc   60

aagaatcaag ccaaggctat tgtgcaagca atcaatgggg ccaaacacac caaatgatta   120

taatgatgga tggctcaaat tctcacaaag gtaaaatcat cactttcaaa ttgagctttc   180

aaaactatca tgacatgtag agaagaatca acgatttcna gtcacaaaat gtctagaact   240

gttattntca aaacaattac ccatttcttg aacatatcct ataattcaaa gaaaaacatg   300

caaagtcgta cgtgcacaca aanatgaccc aaaatattaa actaaaaatc cgacgaaact   360

aacaacatta acaaattaac aaaaccattc aaactagcan aaccaaagaa cacttccccc   420

catacttaaa caacacattg tcctcaatgt agcacaat   458

<210>   8037
<211>   325

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8037

agcttatgcg catacttctt tacgaacgtt ctcttgcaca agacattcta ttaactaaga   60

aaatgcaccc atatacaata aggcaccttt cgtacctaaa atatttacat gtactttcca   120

ggtggatttt gtaccttaat aacacgcatt ttctttgcgt aatttacata catgcctact   180

caaagcactt tgctatcaaa aatgcatacg tgcacattct gggttttcta atacctatac   240

atacacaaac ttcatgatga atcttgacta tctacacaat aaggtgctac atntcatgct   300

cttttcaaag ttttttttac tacct   325

<210>   8038
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8038

ngtgcagatc aaatcactcc tacatttcat ctctagcatg catcttcttt ctttacccac   60

tcctcacgtt tggttatttc ggggagaaac accataacta aacgcaccgc aagggatccc   120

tatcgcacca gatccaaatc tagaacgatg ggtgatcaag aggagactca ggaacagatg   180

acagccgaca tgtctgctct gaaagaacaa atggcctcca tgatggacgc catgttaagt   240

atgaagcagc tcatacagaa gaacgcggcc accgccgccg ctgccagttc ggctgccgaa   300

gcagacccga ctgtcttggc aactacgcac catcctccct caaacatagt aggacggnga   360

agggacacac tgtggcacaa tggcagccct cacctgggat acaaccgagc ggcttaccct   420

tatggatngc cgcccaacta ttcaccaccc gtc   453

<210>   8039
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8039

nggtttgacc tttcaatatg taattcagaa gacttttct ctatgccagg gaagttctct   60

```
gtaaaaacaa tctttcgtct actttcggtt agttggtaaa ctaacctcat tcaaaagtgg    120

aactttctga ggtgatactg tcaaaatctt ctgatcactg caaaaggact ctttgatgat    180

taactgtctt cattgctttg taaggaaaag cctggcagtg tgtttcctat accactggtt    240

tgtatcgcat ctaaggctac gggctgcaaa ctatgagagt cataattggc acattatatg    300

tatgtaaaaa aaaaatagga cggtgtgtac tcactgaaac aattcatgtg atggtatgtc    360

catcaagatc tttn                                                      374


<210>      8040
<211>      542
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8040

cgctacggcn cttgacccca tgtattgagt gacactctat atacgtgaca ctatagatta     60

ctgaagcgtt gagctgtgtg cactgccatc ttgctctaaa ttcgtttgac ctacagagta    120

gtcacaccgc tagactatgt ctatagtgag tcagtgataa ccttatatga cgtgatagag    180

ggctgctata tgaccattaa caagctggag caatccatac cctacccgag catattcgat    240

catttacatc atgtaatgtt atttgatctg cgagctcctt tcttactaca catngaaggt    300

acctatcacc acactgtaaa gaggatcagt gaaggtggac atgtgtatgt gtatgataat    360

gagtagaatg tgcactctgg ttattctata ctgagtagag tgagttaggg acgaggctca    420

aactagaaga ctggtcgcat catatgtctt tactcattac cgggagatgg gtaggacttg    480

ctnagtatta acatggagct gaggcccatc tgttatgact gcagctatag agttctctta    540

tn                                                                   542


<210>      8041
<211>      341
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8041

agcttaacac taagaaggta taggccatga ttcctgcaac tgcctctgga ctcantttgt     60

ggagaaggcc tgtgggctct tccgcttcca ttcttgctct tgccaaagtt aacccgccta    120
```

tctngcatga atttcttgct tcctagaact tgatcaacta catcaaacca atgaatgcca   180

taattagtta gttaattaat actactatat atgttagcag gtacacttca tacataacca   240

aaatgctata aatattccaa gtgtctggcc attgtgctta ngaacattgt attattgctt   300

actacaactt tgtaggaaaa gtcagttcct gttaattgat c   341

<210>   8042
<211>   326
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8042

tanacactcg tgttatcgat tacgatcgtc ctgtaatcaa ctttaacaaa gaggtttaac   60

tatagaggaa atcttctaac tttagaacta ttcttctaac ccctacatga tgatgcatga   120

tgcacatatg agatgataga gactaagatg ccccgcacgg tctaacaatc aatacagatg   180

ccactcaaga gagttgggca tgtaaagaat aaaacatctt atagctcttc ttcaagcttc   240

aaggctaagt actcatgttg ctcctactat gtctaacaat attttcatgg cacacaacgt   300

atctatttat atagaagaac atatat   326

<210>   8043
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8043

agctngtgac tctnggcaat ttcttcaaaa ctagtcactt aaaaaagttg tgacttttga   60

aaaaatcttc agaaacaagt cacttgaaga attgtgactt ttggaaatgt atnntttcga   120

aataagtcac tggtgtgtaa tcgattacac atcaacagat gtgacttttc attttgaatt   180

ttgaaaatta aaacatttag aagctttggt aatcaattac aagtattgtg taatcgatta   240

cacaacgtta aaatacttta aaactgttta aacataagtt gtaactattt gaaattgaaa   300

tcttaacgtt ttaaaacact ggtaattgat tactaccttc tggtaatcaa ttaccagagg   360

agtaaactct ttgcgtatga   380

<210>   8044

<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8044

nnggccttga tttcgggaac taattntctg gaactaatta aatagtcttt atttgctgga 60

actaattttt atttttaaat ttttaagatt taaaaaataa atattgagaa gaaaatatta 120

ggaattttat aattcctaat tattaatatg tgctacatat tatattataa tatttatatt 180

agttatttag ttcaatatga agtgatctat ttaaatgaac ccattagatt gtaagaaaat 240

tgatatgggc ttaagtttgg tttattagga aataatgaag atcttaatag gtttaaaacc 300

taaggcatag ttatagttcc caatacacca aatcaataaa tagtttctca tc 352

<210> 8045
<211> 329
<212> DNA
<213> Glycine max

<400> 8045

agcttaaagt atgcccatgt cattcatccc tatgtatatg ttgttgaagt attggcgatc 60

agaatggcca ctccttggat tatagggatg aaccaagctc atgcttatac aagaaggttc 120

atcacgtcaa gttgaaatat ggaagtaacc gtctggcaca attgggcaaa agatgaatcg 180

agtcacatca ctgcttcgtc tactgccaaa catatttacg attatcgatg tccttgttac 240

ttacaagttc accttgacaa agatgtcatg gaccatgttg aaaatctcaa tttgatcaac 300

cccatatctc gcgtgaaaat tcgaaatac 329

<210> 8046
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8046

cttagggtta ttgcttttgc cttaaggagt tgtaactcat ccatctactc ttcttcatga 60

acctttagtg accccagaag ttcattcata gccagatttt tcaagtcttt ggcttctgtt 120

atggaagtga cttttttgtct caaaattttg ggtagacttc tcagaactta ttcgattctt 180

```
tgatgtgttg catacctttc tcccagaaca ttcaactcat tcaccaccgt attgaatgta    240

gtgaacatnt cttttataga ctcatgtgtc tgtatcttaa acattcgaga gttaaaatat    300

tgactttttga gtcttttacc cgaactgtac tgtcatgtga tgatttcagt gtgttcaaaa    360

cctcttgagc aggttcac                                                  378
```

```
<210>      8047
<211>      147
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8047
```

```
tgtntactgt gattctatca attcaatact ttatattgag ctctgtatca gcttccgtac     60

tcaatgctgt tattcgagcg gccatctata gatgaacaca cgaattgatg tgcgattggg    120

ctagccttat agtaacccgg acatgaa                                        147
```

```
<210>      8048
<211>      454
<212>      DNA
<213>      Glycine max

<400>      8048
```

```
gagatattcc aactctctca tgacttgtgc atactcaaaa ttttcattcc tctttgcaac     60

aacaattgtc ccatgttggc ccttcccccca cttctctagt ctttctacat ctctcatttg    120

tgtctttgcc ttgtaatttg actcctcaag catagaagaa agatggtttg ctgtcttctt    180

cgcattcgaa agctcagatt ctgcttgagc ttttgcagat tctgcagtcc atttgctctc    240

cttgtacctt ccaatatccc ttcttgctct gaggagttcc tttgttcttg aagagggctt    300

ctgagaattg tgagagacaa aaagaattaa agatttgata aaaaaaaatg cttcaccagt    360

tcacaaattg caaatacata agagaggttc gcttctgttc tctgaagcta aacatacctt    420

atcatcatag aagttaacag cagcattaac tgat                                454
```

```
<210>      8049
<211>      467
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
```

<400>   8049

gctttatcca agggacttac cttgaattaa ttcctttgat agcccttttg agccttgttt   60

ccctttcctt gttttgaagc tcactacaag ccttaaatga aaaaccatga tatcaccata   120

tccttaagga attttggagc tttggaattg ttttgggaat aagtgtgggg ggttttttgtt   180

tcattggata acttgttttg ttggctatgc ttcatgatgt attttgggcc atacttgatg   240

tacattgtat attggctaaa tgttggacat gctgaatgaa atgttgtttc tcanaggcta   300

tagaaaaaaa atcgaaaaa aagaaaaga aaagcaataa agttgagtga ataagatctt   360

aaatggcaca agaatgatga aactcttggt tctactctct atgtttaatt tttatctnta   420

cttctttta ttctcttatt ctttttatta atatgcactt aattccc   467

<210>   8050
<211>   428
<212>   DNA
<213>   Glycine max

<400>   8050

agactctgac ggttggacat cgtatgctgt tcagagttcg tcactccaac tttgtattat   60

ttacagactt gacggataga aactatggcc tgtaaatgac gtcgtagaga gatgaccgat   120

ggagcattaa acgtgattca acttctagct gatcaagcac tttgcttatc ttgcttgatc   180

aacactacgt ctgctatgat cactagtcca atcaactttt acttctgtta cgttgacgga   240

gcctaagacg gatgctccaa catcttatgc acagatgatc aagcactcga atcatgagct   300

taacctttaa tgcctgacat aactaccatc tatttagcca tgcttgatac atcacgacta   360

catacgacac tatcatatgc tagtttgtag atgcaaattg tgaaacttag tatctatttg   420

tatcaaat   428

<210>   8051
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8051

aggacgcgcn nattggagcc cctgcgaatt gacncccctg cgtatatacg ngacactcta   60

caatactcaa actctgagat cttcgtgcct gtgacgggac tggtcttgaa acatttattc   120

```
acccatctcc tgacttgacg atgatatgag ctttatacat tcttgctttg atcctccggc    180

cgatccttag attactgtca ttatcttaac ggtcaggact ctatgacttg ttattaacct    240

cctgaaactt cagaataccg cctatggctt ctgatacaac tcgaactctt tatacatgct    300

acgtgttgta aactactctt tttcgctgaa gattctctcc cggatcggcc gcatatcaag    360

ctgccttaat gcgagaatct acgtctccgc gctcgaatcg ccagagcaag atgtatcgat    420

ttcctgatta tagactaact cagcctattg aacaaaccca atcgagtctc tccctcccac    480

cc                                                                   482


<210>      8052
<211>      176
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8052

agcttcatga tgatgaatca agttgattca agttgttttg ctaatgacaa agatgatgac    60

aaagagccca acgaatgatt tcaagagtga gtcaacaagt tcaagatcaa gtttaatttc    120

aagtntcaag aaaagaaatc aagaagattc tttgatttaa agattcaaga gaagat        176


<210>      8053
<211>      83
<212>      DNA
<213>      Glycine max

<400>      8053

atctgctcaa caacatagac cacagactct tgcaacaggt gtctgatttc tgattcatgc    60

ggagctgagc taccaagttg acc                                            83


<210>      8054
<211>      351
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8054

gtaagctatt taagctgagt ctagtcacat aagagggatt tgaggatgaa cctaatttaa    60

ggtaatctaa accctaggag gcttgtttaa tttgacccta tccaacaaga aggatctgag    120
```

```
gacaaagctg gattgattca tctaactagg atcgaggtta ntaatttagg ctacacatag    180

aacacaaatc atgattgtta gaaaacatct tatatgcata ctggttattg aaagaccaca    240

ttttactact actgtattta ctactgcatt tactgtttag acagactagt taattgtcta    300

atcatattat aatgttcttt acatgctttt ctgattaacc tgctaacatt n            351


<210>        8055
<211>        316
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8055

tcttgcgtag ccgctcttgg tgctcagaat atcccagaaa caaattcctc ttattactag     60

ctattctgaa ttctttagtt cctgaatgta caacctataa attgatgctc gttcccctct    120

ttggtttctg caaaaaagaa aatcaatatc caagaaaaca tggatgaagt cctaaagatg    180

ccatgtacat gtgtatttct gaagatatag tatttatatt ccatcaagca tacattgact    240

gttgattaca tgtaatagac tttntataac atggttgccc caaatcacaa ttaataagca    300

caactaccaa tctttc                                                   316


<210>        8056
<211>        404
<212>        DNA
<213>        Glycine max

<400>        8056

tagtcatgac taatgaagat gtacctctca cttttgtcat ccaacttggt tctatttcat     60

ttggtatgtg cacatgacca atgcttccaa aaactttag atgtgaaatg atgggcttcc     120

tttcattcca tgcttcttgt ggtgattttc ctcatacact tctttgtgga gactggttaa    180

aaaaggtaac tggacaagcc actgcttctt gccaaaactt ctttggaaag ttttggtgga    240

tcaagtggcc tcagaataat taagaaaggg gggttgaaat tattatttct aaacccttac    300

taattaaaaa ttactcttct taggccttta cttatgttgt aaaaaaatat tgagttgaag    360

agaaactaac agaaagtaaa agcggaaatt aatgcacagc ggag                    404


<210>        8057
```

<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8057

tatgcgacag tgacgaactt aatgcataaa ctataccatt attggatgta ccatgttcca   60

aatattactc tcaatgcaac tactntatct cctcgattag tggcaaccac gctggtcgcc   120

tcttgcccct ggctcgttca aatgtaacat tgatgtatcg tgtatagcat atcatcacac   180

ctgcacccct gagatgggtg tatgcctttg tgat   214

<210> 8058
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8058

agcttgtagg ccttagatct tcttcatcaa tgaagtccnt tgcttcttga agatcaatgg   60

cagcggaatg gagaaggagg aaaggtgatt agagatgtca cttcaaggaa aaaatgagtc   120

aaaatcaagt tcaccaccat aggaagccat ggataagagc tagaaagtat ggaaagatga   180

gtggagggag agggagaaaa aagagggtac cttagtaatg taggattttt cagcccttgt   240

attttangac acttatanct agttttgtat taagaaataa tttataattt cacatgcatt   300

aaatgtatta tttgatgtgt gtatgttggt agataaaatt aattgaatta gaagaagcac   360

aatgcacatg atgtactacc atgtgagatg tg   392

<210> 8059
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8059

tcgagatctt cgtgcctttg acggcgaccg gtttgaatcc atttattcac gcatctcgtg   60

atttgacgat gatatgagct ntattcatcg atgctctgat actcgcgccg gtccttaaag   120

atctttcatt atcataatgt taacgacctt atgactcgtt attcacttcc ttaacacttt   180

agagacatcg cctttggtga tatgtttaga actcggtact tttcaatcta tgttacgttg   240

3427

cctttaaact actattgatc tgtctgaatg attctctgca cggaatgagc ctgctatatc   300

aatcgtagcc tt   312

<210>   8060
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8060

aactctattg tgacattttt tgtgctcgtc accagaaaaa catttgtaca ttaccaatta   60

acatcctctt atatttagct cttttcactaa ttaaaacatt cacagcgttc cattcatatg   120

tttaaccaat catatctcta cacaacacta accattaata tgatgaaagt gtactctcaa   180

ccaaattatc accatggaat ccgatgcatg tttaataaga ctagaagagt attcatagcg   240

attgacgact tcgaatattt ctatcaataa aatcttaata tgaatctctt ttaaaataaa   300

tcatagcgct gagctcttta tcactatcga ccgacaaaaa nttatcattt atctaatggt   360

tacaggagaa tatgacacgt tacataatct ctaaacctat a   401

<210>   8061
<211>   458
<212>   DNA
<213>   Glycine max

<400>   8061

cccaagatat tcagttctta ctcagaactg tactaagcat gtatactaag tgctattaac   60

agcttgcgta tgcacctcgg actgtgggtg acaagtggtt gaagtaacaa tctattgccc   120

tactcgcttc acgagtgcta cgctcttggc ttatgatctt taagctccta tcactaacta   180

tgctgccttg gtataccatg gagtctcaca gactacttag ataacatatc agccccatgg   240

gaagcatctt catcttgatt acttgtgata caatgatcca ttgtacagac cctgtctact   300

cccacgcaaa tggtagtcct accattgctt ggtgatagct gcccgcaaac gtgactcatg   360

gttgaatctt tcgtgagatt cttcagaatt ggcagtggag atacattgca tgaggctgaa   420

cgtagactat gactttatca acagtgattg ctccaaag   458

<210>   8062

<211>   446
<212>   DNA
<213>   Glycine max

<400>   8062

gttcgaagga cttttccgtc gaagatctta taaccatgaa ttaccaatga agaacgtctg   60

agaactggtg aaacccttcg caaattccct actgaaacct taccggaatg gtttcgaagc   120

gtctcgggtt tgattttctt tcccggaacc acttttccca agccattcta aagaaaaga   180

aatggcctaa gggcctaacc ctttatcact ttactttctc acctatttat taccaaataa   240

gggagatgcc tgccgcccaa cttgcccagg ccaacatggt tgcttccttc agaaacaaca   300

ttcttcttga agaatcttct aaaagggcca agtggggcct gttggtattg gccccacttt   360

ttactagacc ccccctgct ttttggtga ttcttttcg aaagtaccga aactacggat   420

tcgtaccatc ctggtttctt ccgtac   446

<210>   8063
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8063

gcttgacctg tcaggctaag cgccattngc ttctgtaagt tttcattnga ataaggctaa   60

gcgcgtctgt gcgctaagcc cttggtgtgt gttgagctaa gcaccctgct gcactaagct   120

caactctctc actatctttt aagtttttgt agttaggcta agcacgccct gtgtgctaag   180

cccgagtgtt attcggttga ggctgagcta agcacgccat tctgcgctaa gctccaactc   240

tctttggttn tgaaaattgt agacttaggc tatgctcagt tgtgcgctaa gcctactctg   300

cagaanaaaa tgttctctgt gtcttcgagc taagcgctag tctgctacac ttagtgcctg   360

agtaaa   366

<210>   8064
<211>   430
<212>   DNA
<213>   Glycine max

<400>   8064

agcactctat tagtgagaaa gcttctcctt acatggctct attctctagt ggatggagcc   60
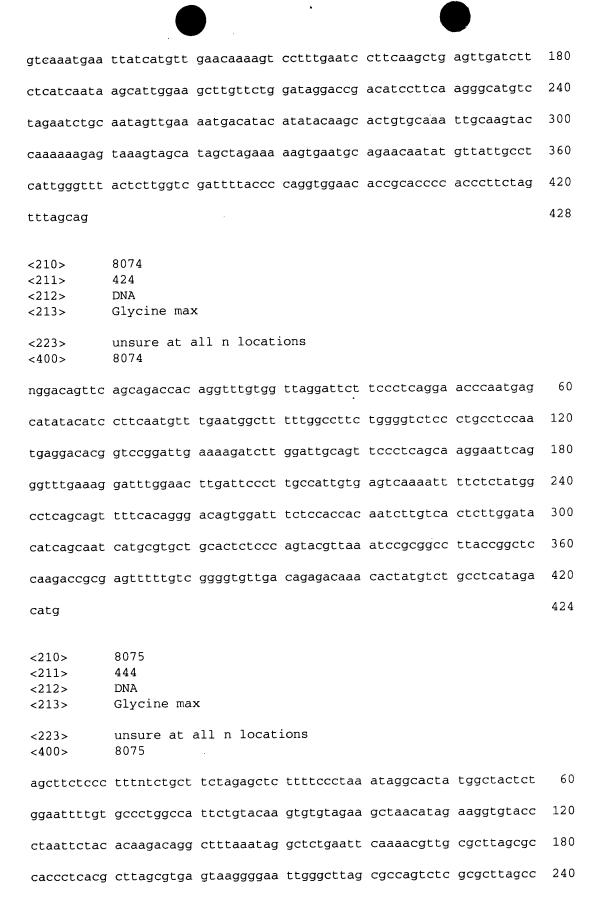
```
tgctctcacc tcttacccta tatcttctgc tgcaacaaca tagactgaga atcaccattg    120

aaggacttta ttgaagctca aagatccaac ctccatagaa gcttgtcaag aaatatttca    180

tcaagaaaca cgtcgaagta acaacaataa catgaaaagt ggagcctagg cactatatag    240

ttgtgaccat aaatcactcg cttcgagatg tctcttgtta gtcttgtgct ctgcacaatg    300

atcgttgagt tcttcttaag gatgggatgc aatcttaatt aatactgaca ggatgaatag    360

agagagaacg aaacaatcaa ccactctaac accaggttag tcttctacct ctgattatgt    420

ttcaactgat                                                           430


<210>      8065
<211>      434
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8065

agcttgtagg attatggtgt acccatcaca tgtggtacta tgtggcggtc gggcgatggt     60

gcacaacaag ttntccacat ccacaatgcg cgcataaacc caccattccc tgtagcccac    120

cttcaactga gctcacgtac tcccacgtag cccatatcct tgtttctctt aacaccgggt    180

ccccatcaat cctcccaagc ttccccaaca tcaaagtaat gcaacattca aacagcacaa    240

actatcacag ccaagaaaac agagcaaagg cagaatactc tgccaaaaca ccaaccaaaa    300

tcacagctct tctcacttaa agaccccagt aacaattcct tcgttccaat tcgttaaccg    360

ttggatcgac tccaagattt tactggaagt ctctagtaca taagcctacg ttttgaccgg    420

tgggatctac taac                                                      434


<210>      8066
<211>      303
<212>      DNA
<213>      Glycine max

<400>      8066

ctgccagata acatggtatg aactctacct aggattattg ctcattgaca taataaacta     60

aatcagtgcg gtgtgatctg cacgaatgtc cttaccatat tataggggtga gactcgtaca    120

ctcggataac catctgacag tctcaatata taaacgttat gcggggtggc atcttgtgag    180
```

```
aagctgatcg tgttaacgtg gtctataagc actacggcgt actcatagct gtgatacatc  240

taccttacct acaaacctga aactgaccgc ttatcataac aaaccgaata gggggatgaa  300

gac                                                                303
```

<210> 8067
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8067

```
agcttgagat gnaggaagtg tgaagggtga aactttctgc ttttattgtt gaccacagag   60

tggtacctgg agatatgtcg cgggggtcaa gaaaccttgg ggacgtcagg tggggtgcta  120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg tcagtgagaa  180

cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac  240

cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt  300

gtggcctctg gtaatcgatt actaagggtg ggtaatcgat tacaaggctt aaaattgaag  360

acaggaggct aagatggtct ctggtaatcg attaccaagg ggtgtaatcg attaccaggc  420

ttgaaaacga agtcaggaaa cttatggag                                     449
```

<210> 8068
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8068

```
ngtgtattgc tgcattctac taatatatgg aattgcccac tgctttgcct gagaataaca   60

attgcttgac cacaacagcg ctggaggcgg caagggacaa tggtctttca aataaaccta  120

ttgtacacga acaaacatta tatcatgcgt tgaccgtgcc aaacgaacca gcgaagtcat  180

tgcataattg ttatactaac tatattcaat gtacctgaac aaaatgattt ccaaacatgt  240

gaccgacaca tatgatgcgg tggccagaag aatcaggtgg tggttgactt ctaagaggga  300

aaaatgtcat tgcttgttgt cgggacaacg atacaaggat tacgttatac cgtgaagcaa  360

tcacatatcc catgtccgtt atatccatcc actntgtcac actaacnctg aatgaaccaa  420
```

3431

acatacacat gtnnagtaat taaacattgt tattaaaaaa aa   462

<210>   8069
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8069

agcttagagc atgtntgtat aggagttcaa tttaacgcaa ccaacgttca cgcaaaagtt   60

tcagtatacc tgcgttgccg attttgcttt gtaaagcatg tttgtctcgt tgaacgtgga 120

tacaacgagt acccaaacac aatcttaatc aagaaatgat gtaaaaggga tgcacttttt 180

tttttaaaat gatgttttat agaaaactaa acaacagcca aagaggctag agctaaaagg 240

ttacacaaac attacatgag actaaaaatg tcattttaga agaatcaatt cttcttaaag 300

agcttaaact aaacttttag gtgaatgcta atgaatgatt tcattacatt tctaacactt 360

ttctttccct ggttggtacc aaattttcta ctctcaaaca cattatcaat acaac   415

<210>   8070
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8070

tcactgacta ctctnttctt tgcattgtta tcaacatntt aaattagtaa acttaaatat   60

ttacatgaca aaaggtggta tttcttcata ttagaaagta aaccttcgtg cagttataag 120

gttgtaagct tgtgacctga tggtcaaatt tactaatctc agaagcaaac tctcttatta 180

tgagagggaa acgtggatac atcttaccct ctctatatcc tacaatgctt gcaaactngt 240

gtattggtct acccatcatt actcacttcc attgggtaag tgacatcaaa ctcttaatca 300

ggttcataaa tgtctctctt tctccctaac agcttgtagc aagcaaacat gatgatggtt 360

tttccttctc taaaaactnt ccccttttta cctttgtctg gtctc   405

<210>   8071
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8071

agcttgagaa tggagaatng cactaagcaa tcactacgca tagttccaaa ctcgaaggtg   60

gaggacacat gaacgaaaac acaattcatg gggctccgaa naaggggttg agaatggaga   120

attacactaa gcaatcacta cgcatagctc caaactcgaa ggtggaggac acatgaacga   180

taacgcaatt catggtgctc cgaaaagatt gagaatggag aattgcacta cgcaatcact   240

acgcatagct ccaaacgcga aggtggagga cacatgaatg aaaacgcaat tcatggcgct   300

ccgaaaagaa tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaactcg   360

aaggtggagg acacatgaat g   381

<210>   8072
<211>   474
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8072

gacactatga atctcagctt taacanatgt cttcacaaat aatcatcaca cagcaganaa   60

ctaacttaac tacccctcat atctcccaaa accccatacc cacgaaattt aagagagaaa   120

gaagtccacc caaacctgga ttttcgaagt cccactcgta gccacgcact tcacgacccc   180

gaaaatgccc tcctttcgcg atttggagca gaaatgagca ccaaaggttg gagcttttgt   240

ggggtttcaa tggagaatgg aggagaagga aaaagcaacg tgaggaagag ggagagcttc   300

tgaattttct gttttggctg agtgaggaga gagaaaagct ctttggtctt aaataaaagg   360

ttttcctctt tttctattat tttattcaag ctctaccaca tgtccctatt tgattggagc   420

aaaaagggcc cactttctct ttttgactgt gacccatact cagtcacaaa agtg   474

<210>   8073
<211>   428
<212>   DNA
<213>   Glycine max

<400>   8073

agcttataat ctcagaacag agttgtttaa catgggaaca aggagataaa ctctctcttt   60

ctctctctgt gtgatgttat tgttattaca tcatcatctt taaactccct ttgaaccact   120

gtcaaatgaa ttatcatgtt gaacaaaagt cctttgaatc cttcaagctg agttgatctt   180

ctcatcaata agcattggaa gcttgttctg gataggaccg acatccttca agggcatgtc   240

tagaatctgc aatagttgaa aatgacatac atatacaagc actgtgcaaa ttgcaagtac   300

caaaaaagag taaagtagca tagctagaaa aagtgaatgc agaacaatat gttattgcct   360

cattgggttt actcttggtc gattttaccc caggtggaac accgcacccc acccttctag   420

tttagcag   428

<210>   8074
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8074

nggacagttc agcagaccac aggtttgtgg ttaggattct tccctcagga acccaatgag   60

catatacatc cttcaatgtt tgaatggctt tttggccttc tggggtctcc ctgcctccaa   120

tgaggacacg gtccggattg aaaagatctt ggattgcagt tccctcagca aggaattcag   180

ggtttgaaag gatttggaac ttgattccct tgccattgtg agtcaaaatt ttctctatgg   240

cctcagcagt tttcacaggg acagtggatt tctccaccac aatcttgtca ctcttggata   300

catcagcaat catgcgtgct gcactctccc agtacgttaa atccgcggcc ttaccggctc   360

caagaccgcg agtttttgtc ggggtgttga cagagacaaa cactatgtct gcctcataga   420

catg   424

<210>   8075
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8075

agcttctccc tttntctgct tctagagctc ttttccctaa ataggcacta tggctactct   60

ggaattttgt gccctggcca ttctgtacaa gtgtgtagaa gctaacatag aaggtgtacc   120

ctaattctac acaagacagg ctttaaatag gctctgaatt caaaacgttg cgcttagcgc   180

caccctcacg cttagcgtga gtaaggggaa ttgggcttag cgccagtctc gcgcttagcc   240

```
tggctaaagg cacctgctgc gcttagtgca ctaatctcgc gcttaaggcg cgactttgat    300

actgatgctc tgccagattc tcctttgcgc taagcacgtt gaagctgcgc ttagcggtgg    360

tgtcataccc taatttcatc cgggaaccat ccgttgttgg gatgcgaccc tcgtttgacc    420

acttcgaggt acttggcacc catc                                           444
```

```
<210>       8076
<211>       421
<212>       DNA
<213>       Glycine max

<400>       8076

taaagtatgc ccgagtcatt catccctatg agatgttgtc gaagtattgg cgatcagaat     60

tgccattcct tggattatag ggttgaacca agctcatgct tttacaaaaa ggttcatcaa    120

gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaattgagtc    180

acatcactgc ttcgtctact gccaaacata tttaggatta ttgatgtcct tgttacttcc    240

agtttcacct tgacaaagat gtcatggacc atgttgaaaa tctaaattga ttcaacccca    300

tatcttgcgt aaaaattcgc aatacttcaa ctgtgcatca ttcgcatgca tccatgcttt    360

tcattggttg cattgctcgt tgcattcttt ccttgaaaaa taaaataaaa tgaacttaat    420

c                                                                    421
```

```
<210>       8077
<211>       455
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8077

agcttgttta aatggatctc tcttgatctc acatgatgtt aacaactcac tttaaccttt     60

gaaatttcaa gatacgtaaa ctagagtttg tgagccgtaa aagcttgttc cttttcactc    120

ataaaagtga gaacacaagg tggctattta tagagaaaac agttgcaatt gtctgtaatc    180

gattaaattg gtaatgcaat agattatctc aaagaagtaa tcgattagat tctcacttta    240

attgattaaa gtgttcttcc caacacctga aaagctttga agaataatgt aatcatttag    300

attttttgatt taattgatta aagtgttctt gatcacttct gggaacactt tcaagaacaa    360

tgtaatcgat taatactccc acataatcaa ttaaagcaga gactcaagaa aacaaacatg    420
```

gtctcanaag aacagagtaa tcaattatag gtata   455

<210>   8078
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8078

ngnganaggt ngcaagagat tattaagagc tatccacata atggcattac tcaacaaaag   60

ctagctcgta tttttttatgt tggagtgtcc tcaattaata gggtgagttt ggatgttgct 120

tgtaggggca acctcatgtt aaaaccccat gttggtgaaa tcaaaatcat tgaagacatg 180

tgttctatga aataacaaca atcacactag aagaggggtt gaatagtgtg tcaatcaaag 240

atcaaatata tttttttgttc aactgtaata tcatagattc atatatatat atatacatat 300

atatacacac acacactaga attgtaaaaa aaaaaaacaa gtttaatagt ccaataaata 360

tatgaagtaa gaagtttaaa agggttttca aatagacacc aaacacgcta aagaaagcta 420

agagaatact tagtaaaacc acttcagaga gacatagaaa ca   462

<210>   8079
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8079

agctntacat tntcgtgaat gtgacaatct atttcttagt ggattgattc accttaacag   60

cccacaaaat catataagca taattagatg caacaactca ctcatctcca atcttcatat 120

gattgcacca aatgaaagcc caaacactga tgagaatgtt atctcacatt catccaacat 180

ttccataaag aactccaaga tggaaattgg taaatcatat ataagttaca atctttaatt 240

gcataattat tatatcttgt ccttaaatca ttcaatgaga atgcatagcc ctttaattcc 300

tagttntttt tataaggcta ctcaagtggt agatcctctc ttnattttt tattaaaaaa 360

tatgtgatgg taaatattca ttttctcatt aagttgcaat cttatgtata aaa   413

<210>   8080
<211>   453

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8080

ggcttgtggg gcttctatgg aggctggatc nttgagaaga tttctaaaga agctagagct   60

tagctacaca caccccctat aatagctaag ctcacctcct tgagaagctt ccttgagaag   120

attcctaaag aagctagagc ttagctacac acacccccta taatagctaa gctcaccccc   180

atgccaaaat acatgaaaat ataaaaaaag tccctatttc aaagactact caaaatgccc   240

tgaaatacaa ggctaaaacc ctctactact agaatggcca aaatacaagg cccaaaagaa   300

ggaaaaacca attctaacat ttacaaagaa gaatggatcc aaccttgacc catgggctca   360

aaaatctacc ctaaggttca tgagaaccct agggcctttt tagtagctct agcccaagcc   420

tcttggagtc ttctatccaa tacccttggg ggg   453

<210>   8081
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8081

agctttcttg tagatcaaat tccctaattg gaatggaata ctcaatatga ttaatactaa   60

taagacacta catatttgca gaccacaaat caatgcagct atactttctc atttccacac   120

caatttttga tcatgttatt catttgacaa aaatatgaaa ttaacctaat tgggtgaaca   180

aaaccaataa agcacctgaa gactagaaca aaaagtataa tggttaggta gagaagaacc   240

tgtcgaagga acagtaaacg acgtgcacct agctcaccac tacaaaacct aatgcacgtt   300

tcgcaagagc tacaatggaa ataccatgaa atagttcaaa ataccaatng ggtgtacatt   360

gaatagcagt tcctttttca ttcaacccaa taaagcatca nagttagagg cgataaatag   420

atagtgat   428

<210>   8082
<211>   452
<212>   DNA
<213>   Glycine max

<400>   8082

```
tgttgaagtt gaagtggaag tggagtaata taatcaaaga gcttccatgg gagacaaaat    60

attttagagg aattatggct gaaagtggct gagtgcctaa atcaatgatt ggtttttttt   120

ttgttgttga ataaatcaaa gattcgtttg gtgaaacatg tttttattga aaaactatat   180

cttgaatgtt gttggggctg ctttatgatt ctaaaacaat aatttatatt gtgtacgtac   240

gtatcacttg aaaagtgcgt ttagattgtt gtggttaata tattttaatt aatgtatata   300

catagttgtt agcggctgtg tgtgcccggg ctgtttgcac ttgtcatgat atctttattg   360

ccggttgaag attatttcca ttcaatacat aagtaagata agcaatatat atatactttt   420

taatattata ttctttatta ttattattga aa                                 452


<210>      8083
<211>      392
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8083

agcttgttag ttgtgtggag cccacctcaa cggtcttggg atatttatga gggcattttg    60

aagggtatga acaagttgaa ccattccaaa cagtaacatc ttgagcaaag atctttgagt   120

gagaaatctg cattttctgc tttaaccctc tctgtgagag tgacccactt ttgtgttgtg   180

cttggtaatt tgtaaaagac tttagataga agtgagatat tntattcctg aatggaatcc   240

ctctttcgag gtgaagacct atattttgtg caataaacac atagatcctc attntttttt   300

gtaagtctag tagtggctgg aaaatttgaa atccaatggt gttgctagtc tagttgaggg   360

ctagaatgaa ctccagttgg agaactgaca gt                                 392


<210>      8084
<211>      328
<212>      DNA
<213>      Glycine max

<400>      8084

gctgacagta ttataatcta attacgttgc caagtgtgag ttggatctta tttggtaacc    60

atgaaacaaa ttgctctata tagctgatca atgaaggtgg gtaagttaag tttgttcctg   120

aacctatggc catgtagcac ttgagaaata ttgtggcact gaagtacttg agtaatcttc   180
```

caaggtcact cgttcaggtt gctcttcaac catgacttct gctctacact ctgtagatgg   240

acattccctg gatgtaggtg aattacaaga tgatgactca taaaagtgag cctcttcaaa   300

gattgaagct actgttatgt tgtgcaaa   328

<210>   8085
<211>   330
<212>   DNA
<213>   Glycine max

<400>   8085

gagagtcacc tgaggcatgc aagcttgtat ggaggatata cttatatatt aaaattcttt   60

ttatgacaac tggttttatt ttaatttttta ttttttttggc taaataataa gtttaaaacc   120

taaatgtagc ctttctgtag gtaaaggttg ttacagttac ccttccctaa cccactaggt   180

cacccatttt aggggggaagt caggtttcac cattctaatg ttaagacatg tcacaagaat   240

gactgagtac taaggactta taaagacttc ctaatgaagg accaccagta ggatttgagc   300

caagaccttt tttgttggat gctgttgatc   330

<210>   8086
<211>   449
<212>   DNA
<213>   Glycine max

<400>   8086

agctcctact tatgtggcat ggcgggtgtc cttcactttc ttgtcttcaa cgctagctct   60

gaccactgtt cttccttccc gcgatgcttc ttttcatgtc tgcctgagtg ggcttatagc   120

ctaaaccata cttcccacga tttccttggg ttattatcag gctagttatg ccgccattgt   180

ctttgcctaa acccatcccg ggttcataac cgttgcccaa cataacatcg gccaatatta   240

ccgccgcatc ggacagacaa ggttgcccaa agagggagtc cacggaggaa atgctgacca   300

cctcaaaaga ctggaaagcg gtttctaacg attcttctgc ggcttccaca taaggcatgg   360

aggatgggca gcttaccaag atatcttcct cgcctgacac gatgaccaag tgcccctcca   420

ctacgaattt cagctcttgg tggagtgtg   449

<210>   8087
<211>   452
<212>   DNA

3439

<213>   Glycine max

<223>   unsure at all n locations
<400>   8087

agcttgtata cttngtgggc ctctattaag tgctttgttt agaatctatt caatgagctt   60

aaatatgtta ttaaactaat aggattcaca cttaaaaaac tggaaaaagt atactaaatt   120

tgcatgtggg actacctaaa tatgtcctta aaataagact acctaaattc aaacctggtg   180

gaaaaattgc atgtgggaaa tctactcttg acctcttcaa caataaaata gttatgtttt   240

aaattataaa tcttttttggt atagcccatt tcaatattcc tgcacgtttg gtgattattc   300

tatgtaggca tgttcaaact agttaaggcg gaaagataaa caattataat gcgtgcttgt   360

acgcttgaga cttatataac tgaagaatca tatcttgatc tcacgtgtct tattatggta   420

tggcttcaag ggccttaaac ttaacacaaa at   452

<210>   8088
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8088

tgaccaactg acctgctaag cgaggttgag ttggactaac agtgttgagt tatataattg   60

ggcatatatg gaccaaattg ataagcttgt tggactatat tggactcaag aaacacagtt   120

ctgaattcaa ctgagcttaa tatagcccga tatttgttaa tctatttata ttttgaatca   180

atatgaattc atactaatat agttaaacgg gtcaatatgg attggcttga caggccacta   240

tacctgtgtg gacttcngaa tatatgatca tattgcatat gagctatcta gacctaaacc   300

atatatcatg cttgacccaa tggatgtagc caaactgacc cacccatttt gctgactata   360

tcgatgggct atacgatgtt gtgtatggtg aaaatctaat atgaatattt ccactgagtg   420

tgttccctac atgtggcttg accccagga   449

<210>   8089
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8089

```
agctntttgt aagccctttc aatgactttt tcctcaatcg tatactgggt aattaccatg    60

atatgagaca ttgacacaaa tagtaaataa ctaggaagca caacacttca aaatgacttc   120

caaaccagtg tcaaacacat cttgaaaacc tttgaatatt cctaccttac atattttaat   180

gattttgaga ttttgtgcca atacaagatg ccacaatgct tagaagtgtt ttattgtatc   240

tacagtgata tgtgcttact tatgaaacat ggtgtcctta ttctaatttg gtattggcca   300

tttatgccaa aaaagtatta attttatctg ttgtacttag gctgagtaat atattnttta   360

gaattttctg tagctgcagc caagtgacat cttataactg tgtccagtgc tagtattagt   420

gatttctaga tagaagccta actatgatga ac                               452


<210>      8090
<211>      455
<212>      DNA
<213>      Glycine max

<400>      8090

tcatgtcaaa gagagaacgt ttttctctgt ccaaaagcac tctttgagct ttctccaatc    60

aacttaaatg cagcttctgc accagcaaag ttgtttttgt caggatgaag ttggagagca   120

aacttgctat attgcttctt aattattgca tcaccagctg tctgttcgac ctgaagaatt   180

tcataccaat ccatctcatt accatacaat ttctgctcag cagagcagtg cacatcacaa   240

acaacaagca tttgagctat attttccaga tcaaggtaca gctgctgagc ctttagagca   300

actttgcgag ccccaacaaa atccctgttt tccatcttct tttcagaatg tccttggccc   360

ttaaggcctc ttctttattg cagtccatca aagatccaga tgggaaaata ttatagtgga   420

tgctatggcc aagtgaagct acatttaatc caaca                            455


<210>      8091
<211>      374
<212>      DNA
<213>      Glycine max

<400>      8091

ttaagtcacc tgcggcatgc caagcttgag ccaaaatcct gactcaccat aaactttgac    60

ccatggtgag aatgtcaatt cttaccctcg gaagcaaaaa aaaaggggag agggaaaatt   120

tccaatcaaa gaggaagcaa aaaaggagag aaggaaaatt tccaatcaaa ggaaaaaaag   180
```

agaggaaagg gaattcccaa tcaaagagtg ggagaaagca aaaagaaaag aaagaaaatt   240

cccaatcaaa gaatgggaga aagaaaaaag agaagaagaa agggaagaaa gttcccgatc   300

aaaaaaaaat aatatgcaga aaggtctttg gaccgtacaa tatctgaaca atacagaatt   360

gtcatcaaat gaat   374

<210>   8092
<211>   462
<212>   DNA
<213>   Glycine max

<400>   8092

ggagatgagg aagtgttgaa gggtgaaact tcctgctttt attgttgacc atagagtggt   60

acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc   120

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg   180

tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaatgaaaa catgaccaca   240

aagcaaggag gcttgtggtg ctggccagc tgtgaatttt gtgtaatatg tggattgtgg   300

cctctggtaa tcgattacca aaggtgagta atcgattaca aggcttaaaa ttgaggacag   360

gaggctaaga tggtctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga   420

aaacgaagtc acgaaactta cggagcctct ggtaatcgat ta   462

<210>   8093
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8093

agcttcctct accggtgaaa aaacattgtc ggttctcgct tgtaaaaaaa ttgcgcaatg   60

tcggctgaaa aacatcagtt ggggctgttt aactaccgat gctggctact gttttttcta   120

ttccacccct gaataatact tggacgatgt cgatttggaa atgttcgatc ggagtcatcc   180

ggtcatgctt cttttttaaga cctcgatctg tcatcttttc ctggccgacg tcggctagca   240

ttttttttcga tcaatatcgg tgaatcatgc tttttgccaa ggtgggctaa cgttttcgtg   300

gctgatgaaa tgagagcatg ccagtgtcgg tcgaaacaca atctcgcacg aaaaaccctta   360

gccgacctac attgtaattt ttgtaggcaa taccgaacag canaacttcg tctaccataa   420

agaaatatta tcg   433

<210>   8094
<211>   451
<212>   DNA
<213>   Glycine max

<400>   8094

ttttctgttc ggtattgcct aacaaattcg caatgtagtt cgtctaggtt tcttcgtgcg   60

agctcaaccg aagttgtatt tcggccgaca ccggcatttt gtcggccagg aaaacattag   120

cccacctcgg caaaaaaaca tgattcaccg gtattgacag aaaaaaatgc tagccttagt   180

cggccaggaa agatgaccga tcgaggtcta ataaagaagc atgaccgaat acgccgatcg   240

aacatttcct aatagatatc ctccaagtat tattcaggga ttgaatggaa aaaacaatag   300

ccgacatcgg tagttaaata gccaacattg cgcaatttct ttcacaaacg ctggccgata   360

atatttcttt agggtaaatg atgctttcgt tgttgggtgt cagctataaa attttcaatg   420

taggtcggct aggttttttc gtgcgagctc a   451

<210>   8095
<211>   378
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8095

gcaagcttgc tcagctagct gatataatca tgcatacttt tctgatgatg accgaggaac   60

aattagggat caacttgaaa cttatgtgct tcacgtgaga agaaatgctt cttttccac   120

ttgtgaagat gttcaaagtt tggctatgaa gatggttcaa actgagaaac atttggtatt   180

tccattggtt tataaactta ttgagctagc tttgatattg ccggtgtcga cagcatccgt   240

tgaaagagct ttttcagcaa tgaagattat caagtctaaa ttgcgcaata agatcaacga   300

tgtgtggttc aatgacttga tggtatgtta caccgagcgg gagatattca agtcacttga   360

tgatatngat attattcg   378

<210>   8096
<211>   457

3443

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8096

tctgccttga agcactgagc ctagcagcag aagagaggga gatcacacac cccataagca   60

gaaaacaaga acaagagtta caccacaacc acaactagaa cccataacaa aaacacccTT   120

caaagaatgc accttcaaac tcaacctcgg agtctccaaa cacaagttga caccccTCaa   180

aacccTTcaa gagtgaaact tgcccncttt tcaccttctt cagccacaaa aaaaaaaatt   240

ccaatgggac tcactagcct tgtttctcac ttcctatgag ggcaacaagg gtacccacta   300

aacagccaca ctaagcttac cctctttTGT tttattccct ctttcttaaa aactctcttt   360

tctctctctc tctctctctc tctccttcca ctntccatat catatatcat attatattat   420

attaaattaa ataactcgtt aaataattaa acaaaaa   457

<210>   8097
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8097

agctntaagg tttctacagn gttgctgcgg tgactaagct ttacttcttt tgtttctgtt   60

acctatattt ttgcccTTTT aattTTTaac tcttacaatt gttTTgccct ttcaatttct   120

tgcccttTCT ttaatattTT tcttTTaatt ttctccattt ttatgttTGT gtaaaattat   180

ttcataattt atatataagt atttatttat tataaattat aaattTTagt tatataaaat   240

aaacattcac taaaatacta gtaattgata aatgtacaac ttagatttat agaacaacat   300

cacatgatat ttgctttaag ctcatnagta aattgtgaaa aagcttacca ataataatga   360

attcatgtga gtggtgtttc tatagttgtt attaccctat tgcatgaatt atcgtaatta   420

ttgtttac   428

<210>   8098
<211>   355
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400> 8098

```
gagaatgaga gagagagaga gaaagagaga gagtggccga gaaattgaag gagaataagg    60

agagaagttg aactttgaag tgtgtctcat aagtttctca ttcaacaaag ttgggacaag   120

tgttacacat gtttctattt atagcctagg tcactaaccg tgtgaatttc attntcattt   180

catgtgaacc taaaagggat attccaagaa tatgccaaag gcattttagt atattccctt   240

tagatgtcac aagcatggaa gttgtggctc tagcacataa gaagcttcct tgagaagcan   300

gaaggtagct tccttgggaa gcaaggaaga aagcttcctt gagaagctag agggg        355
```

```
<210>      8099
<211>      422
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8099
```

```
agctntctcg ctgcanaatt cacttcttag ttggtgtttt tggtttgtgc taaaggtggt    60

gttcgtcatt ggaagtgcgg taaacagact ttgtggtaga tttaaggatg gcctttgtgg   120

ataactgggt ggtgggtaaa gaggtggttt gttattgact gagtaatgac attgttgggt   180

ttggtgggaa acttggccgt ataagaatgg cagtcacagc atgggtttct cccttcatct   240

caccctcttt atttgcccca agtttctaag tcgtcctagt aggatgatca aatttgcctc   300

ttttcggacc cacatcgatc ctttcactgg cgaagaccaa atccgctaag ctttgagggt   360

gcgtagccca ccatcttttc atagtagagt atcgataatg tgtctaccat cacgatcatc   420

gt                                                                 422
```

```
<210>      8100
<211>      174
<212>      DNA
<213>      Glycine max

<400>      8100
```

```
cttcacaaag agctacatca cccttcccct taaaaaggat ttgacctcaa attcagaggg    60

tcttaaaact ggagaccatg gatcaagctg aatggtttga tgatgcccaa ggatcacatg   120

gatcacatgc ttctcaaagc tttattccag accagaaat ttaagatatt taag          174
```

<210>   8101
<211>   398
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8101

agctngcatg atttacatct cccccttttct catgtaaatt cttcttgata tcatcaaaat   60

cttcatgatt tacattctcc ctcttttga tgatgacaac cacctgtagg ttaggagcaa 120

caacaaagaa aatatctatt tgcatatagt tntactcccc cttggtttta cattgattgc 180

ttatatgaga caaatgaaga tttcatattt ttcatatata aaaagttgtc tcataaaaca 240

ataaataatt tttcttacta ttttatcttt tatctttctc tcccccttttg tcaacatcaa 300

aaacaaatca tgaatagaga ggagaaagat gttaccactt gttgcaatgt atgagaatca 360

agtgatactc aaaggcatta aaacaatcat tcaatatt   398

<210>   8102
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8102

tgttagctnt aaggaggtac ctctgagata ctacatacct acattggttg tgcccttaag   60

gtatttaatg atccttttaa cggctgttaa gtgagattcc tttggattgg ccatatatct 120

tgcacacaag caaacactta gcatgatatc cggtctactt gcagttaggt agagaagtaa 180

tccaatcata cctctatatc ttaactcatc cactgattta cctttctcat ctaagtcaag 240

gtaggttgaa gttgcattgg agtatatgct tctttgcatt tttccataca gaatttctta 300

attagttata tacaataatt ggttcgacta aggaaggttc cattctttat ctgcttgacc 360

tggagtcaaa gaaagaagtt caattctcta atcatataca tctcanattc tttctacata 420

caacttgaaa attccttaca caaaatttca   450

<210>   8103
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   8103

agcttggaga tgatgcttca atggatgana agtatgangg agagaaagag ggaggggggga   60

gcacgaaatt gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcacaaga   120

ctctcattca tcacagttac aacaagtgtt acacatgctt ctatttatag actaggtagc   180

ttccttgaga agctttctta anaaaacttc cttaagaagc ttctttgaga aaacttcctt   240

gagaagctag agcttagcta cacacaccca tctaaaaact aagttcacct ccttgagaag   300

cttccttgag aagctagagc ttagctacac acacccatct aaaaactaag ctcaccttct   360

tgacaaaata catgaaaata aaaaaaa   387

<210>   8104
<211>   445
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8104

gtacagcaga tgtcactcta ctccaaattc ttgaaggata tgtttacaag gaaacataag   60

tacattcact aggaaaacat tgtagtggaa ggaaattgta gcactgtgat tcaaaagatc   120

cttccaccta agcataaaga ccctgagagt gtaactattc cttgttcaat tggagaagtc   180

actgtgggaa aggctcttat tgacttanga gccagtataa atntaatgtc actctccatg   240

tgtagaaggt tgggagagtt ggagataatg cccactaaaa tgactttaca aatggttgac   300

cgctctatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt gaaacatttt   360

atcttcctga cagacttcgt ggtaatggat atctgtgaag atactgacat tcctgtaata   420

ttgggaaggg cattcatgtt aactg   445

<210>   8105
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8105

agctntgatt agtgtatatg ttacactaaa gttatattgg atcttattga gtttcaatta   60

atcattagtg catatgttac actaaagtca tatattgggt ctaattgggt ttcaatcaat   120

```
cattagtgta tatgttacac taaagtcgta tattgggcct tgattaggtt tcaatcaatc    180

attagtgcgt atgttacact aaagtgatat tgagcattga ttgagtctta ttgggtttca    240

atcaatcatt agtgtatatt ttacactaaa gtcatattgg aaagtgttga atgcataagt    300

tacacattga atcttaataa atcattattg ggtcttggtt agtgaatatg ttaaattaag    360

gcttaattgc aaaattcatc ccgctatttt gcctatttca ccaaatcggt cccnctattt    420

ttaattcact a                                                          431


<210>      8106
<211>      439
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8106

tctcccncaa ttntctataa ataggggggag aagtgaagta gattagggtt cagccttctt     60

ggcatttctc cctctctcga aattgctgag gaaaattatt ccgtgaaga aaatccaagc     120

cgaggcgctt ccgtaacgtt tccgtgagta attacgcgaa gattctcgac cgttcttcaa    180

cattcatcgt tcgttcttcg ttttcttcag tcttcaacgg gtaagtacct caaaccgagg    240

ttttcaattc attctatgta ctcgtggtgg tccacatttt gtttcatgta tttttattct    300

cgttttcatt cgctttctat actccctttt gacgtgctta agtcattnta tttaagtcat    360

ttctcgccta atctaaaaat aaaataaatt tccaccgatc gtttgaattg tatcatccgt    420

taatttcggt taaaatgaa                                                  439


<210>      8107
<211>      355
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8107

agctntgagc caaagtccca actcaccata aactttتccc tcaaaaggaa acaaaaaaaa     60

aaggagaaag aggaaaggag aacaggagaa aattcccaat caaagagtgg gagaaagcaa    120

aaaaaaagaa aagaaggaaa gttcccaatc aaagagtggg agaaagcaaa aaagaaaaga    180

aggaaaattc ccaaatcaaa gagtatgaag aagaaaagaa aggaaagaaa attcccgatc    240
```

aatgatcgaa agaaaacaga agacatatgc ataaaggtct tttagaccag accacatctg   300

aacaaataca gagttactac caagtagaca caaaagaagg gggggaaaac catga   355

<210>   8108
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8108

nggaagatta tggggtaccc atcacatgtg gtactaggag gttgtcgggc tatgtttcac   60

aacaagtttt ccacatgcac taatggcgca taaacccacc atccgctgtt gcccacctcc   120

aactgagctc acgtactccc acgtagccca tatcctcgtg tctctcaaca ccgggtcttc   180

atcaatcctc ccaagcttgc ccagcatcca agtnattcaa cacccaaatc atcacaaact   240

aacaaaccaa gcaaaacagg gcaaaggcat aatactctgc ccaaaacaca actcaaaatc   300

acagctttgc acatacaaat accccagtaa catgtccttc tgtccaattc gttaaccgtt   360

ggatcgactc taaaatttta ctggaagtct ctagtacata cgtttacatt ctgaccgttg   420

ggatctgcta ggaaacatac agaactattc tgcactc   457

<210>   8109
<211>   507
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8109

ccgcntcgat tgggctgaga ctatctatta cgcgacacta tgaatactaa gcctgtttat   60

tgacatcatg gttgaagcta attaattttc tatttcattt aaagggatat ggctgcacgt   120

ttgaacagga cgatttaact cgttcccaat tagtactgga ccaagcggaa ctacatgcca   180

actgctagac acattcgatg gatgatgcat aacaggctgt acttagtctg ttactggaaa   240

tacgatgagc cgagcccacg aggtttatga tctgcgctat aactctagtt atggagagtg   300

ttatatttga taagtgtgta ggcgaaccct acatacaatc tgctgatttc ttgaagcgct   360

ttctgtcaga tgatgcgagg acgaatgtaa aaatacattg tgattgacat tccaattcta   420

ttgttagtct atattaaaaa gatcactctc aaattattac gactaaggaa actaacacta   480

caagttgtga ctcacaaatc aattctg   507

<210>   8110
<211>   432
<212>   DNA
<213>   Glycine max

<400>   8110

agcttcttag tttcagatga tgcagatggg tttgtttttac ctcatgcact cctctaatga   60

ctatggcatc atttctggcg ctaaactgct gggagttgga ggccatcttc tcaattaaat   120

ttctggcttc aacaagagtc atgtctccaa aggctccacc actggcagca tctatcatac   180

ttctctccat attactgagt ccttcataaa aatgttggaa aagaagctgt tctgaaatct   240

gatggtgagg gcaactggca catagtttct taaatcgctc ccagtactca tacaggctct   300

ctccactgag ttgtctaata cctgagatat ctttcctgat ggctgtggtc ctggaagcac   360

ggaaaaaaat ttctaaaaat actctcttag ggtcatccca gctcgtgatg gaccttggag   420

caaggtaata ca   432

<210>   8111
<211>   414
<212>   DNA
<213>   Glycine max

<400>   8111

gcaactgact gtagtattac aagatcagat taagattaaa aaaaaaagcc aaattgtccc   60

aaacaatgct ctctcaagta ggatcaatat ctgaaaaatg aaatgttaaa tttagaaatc   120

taagtaaata ttgattccta attttttaaa tgttggaaag acttggaaga caaaaattgc   180

attaaaatag aaaatgcaaa acatatagtg ggactgagac acattagcag cgtttcctca   240

actcaaaaat tataagaatc agaagtaaag agtatgttaa gagtgtggta acatactcta   300

acaagctttg atcaaatgac taatattaat tggcaaaaaa gatatttagc agatagccca   360

accaacttca ctatgtctag ttagaaattc caatattcta tattacctgc tcat   414

<210>   8112
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8112

agcttcattc ctttntcact catgtgtcca agtctttgat gctcacatgg ttgaattatt   60

gacagcctca gtaattgcta ccatatcctc atctgcaatc atgtaaagag atcctcgctt   120

ctttccacga gccacaatga gattgccttt tgttaccttc caagctccat ctccaaaagg   180

ggtgtaatgt ccctcatcat ccaactgccc tatagatatt aaatttctct ttaaggcagg   240

aatatgtctg acattgtgca atgtccatag ggatccacta gaggtcttaa tgttgatatc   300

acctcttccg acaatgtcaa gagattttcc atctgcaagg taaacttttt caaatcttcc   360

agaaacatag ttagacaata aatctttaga gggagtagtg tggaacgacg cacctgagtc   420

catgatccat gaatcaacag gactatccaa act   453

<210>   8113
<211>   445
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8113

tggttcgagg tacttacccg ttgaagatcg aagaacgatg aataacgaat gttgaacgtc   60

gaagaacggg tgaaaccttt gcgagattcc tcacggaaaa cgttactgaa acgtttcgga   120

agcgcctcgg cttataattt cttcacggaa acaatttttc caagcaaatt cgaaagagag   180

agaagtgcct aaggggctga accccttcct tcttcacttt ctccctatt tatagcaaaa   240

tatgggaggt ggttgccgcc cagctctgcc aggcgagcac ggttgcttcc ttcannaaca   300

accnccntct ggaggaatat tccggagggc ccaagtgggc ctgggtgcta tttgcacacc   360

cattttacta agacaccctc ctctgctgtg tttttggtga tcctttttcg taaagttccg   420

aaacttacga attatgtcac gatac   445

<210>   8114
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8114

agcttattaa ccaagatgca tagaccaaag gccacaagta ttaccaccta tgttggnnta   60

```
gaaccatgac aataccatgg aattgaaatc aaccattgca aacggtagta gattaatttg    120

gtgtgtccca aagaaagtga tgtgtcttcg gttcaaatat ttttttaac aaatattatc    180

tcattacttt attatctctt gatatgctgt cacactgaca ctaaatgttg gacagataac    240

cagaaagtat atgtagaaca agagcaacat tntggccata ttctggtatg acttcatagc    300

ttcattataa atttcacaat cagtacatca caagacacgc tcaagaacta gtcaaggata    360

caactacgat acatttcaat gcacataaat aagcaataaa gcataatgta acata         415
```

```
<210>        8115
<211>        422
<212>        DNA
<213>        Glycine max

<400>        8115
```

```
ttaccaccaa gagagtgtct tagataagaa gcttagagag gaatcttcaa tggaggaaga     60

aaataagaga gagggagaga gagtgtggtg tggaaattga aggataatag ggaaagaagt    120

tgaactttga agtgtgtctc acaagtttca cattcatcaa agttgtgaca agtgttacac    180

atgtttctat ttatattcta ggtcactaac ttttgtgaat ttcatttaca tttcatgtga    240

atctaaaatg aatattccaa gaatatgcca aaggcatctt agagtattcc ctttagatgc    300

cacaagcatg gaagatgtga ctctagcaca tggaaagctt ccttgagaag caaggaaggt    360

agcttcctta tgaagcaagg aagatagctt ccttgagaag ctagagggag ggcacatgca    420

ct                                                                   422
```

```
<210>        8116
<211>        318
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8116
```

```
agacttgctt ccacanaata gtctctgtcg aattacgctg acatctcccg gaaaggtgca     60

gatgaccaca ttggtctctg cgtgtcatcg gacttggggt ctccgaataa cgaggtgcgg    120

ataaccgtaa agtgctctgc atgccatcga actcttgggt cgctggatag caagaaggtg    180

acactaaata gtctcagtcg gaagacgctc acagctccag gaagagtgca gattaccaca    240
```

ttggtctcta catgtcattg gacttgtggt gtccaaatga tgaggtgcta ataaccgtaa   300

ggtgtctccg cattccac   318

<210>   8117
<211>   451
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8117

ntgatataat gcatcctttg tatttatagg tatagaggat ctatccactt gaaagtgtca   60

acaacagact cagtacaatg cattaaatta gtacgacata aatttgatca acaatgaatt   120

agtatatata gctacacctt attcaatcca agaatggaaa aagggaatca gtggttaaga   180

atgaacatgg gtcaagcttg agtcaggttt tttgaagcca aaccgaatga aaatggttag   240

gttgagtgtg ttaaatgtga ctgtctcaac ccaacctaat cacaattggg ttgtgccaaa   300

gtcaggtcat tagattagat attcggggaa aaatggaaga aaaaaaaaca caaaaatagg   360

ggtagagtag ggaaaaggta attttgtccc aaatttatgg gaggcactgg gtaagaattg   420

aaatggtcaa agaaaatatt atacacacac t   451

<210>   8118
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8118

agcttaagct ctacctaggg ngcatttaag cacttttggt atgcaaagtc acgttttgct   60

gctaactctc ctttaatgga tcccaaatga actccaacta aaatctttca atgttaaaca   120

tgaacattga attaaaaatg catctaaagg acatatatca acaatcaaac tcattaaaca   180

taagagcaaa gttggtttaa gctttcctta cctatcctaa tttaatgaac ttgctttgag   240

atgaaagaag gaagaaagga ttgggttcaa gatgcaagct ttctttcact cacacaacaa   300

ctttaaatca tccacaccac ccaaaaccaa aaaaccaaca gaaatcacat caaaaccttg   360

aaaacgaaca cttttataaa cttccaaaag tgctcatggg agaaaaataa aaatggagga   420

agaaagagga aagtggagag tttcttacca   450

<210>   8119
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8119

tgtattattg acatcatggt tgaagctaat taatttcctt tcgtatataa agggatatgg   60

ctgcacgttt gaacatgatg tatntacttt tttccttagt gtctttgttt ttagttttac   120

tatgttgcag tttttgttgt tcttggttga tgcgcctacc tcaccttatt aatcattata   180

cttataatag aatcttatta ttcttttggt ttaattattg gtgntataat tttattattt   240

gtatatttta ctctttatag tttaaaattg gttttttag ttcttataat ttatatttta   300

attctctttt aatctttnta ggttaaaagt gatatttttt atttttataa tttacatttc   360

aattctcttt tagtctatat aaaaagatca ctttcaaatt ataaagacta aaaaaaaatt   420

aaaatacaaa ttaaagacta aaaaatccat tt   452

<210>   8120
<211>   352
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8120

agcttaaact cactagcatt catatattgt ttatgcgtat aatataaacc cactcagtag   60

taggcttgtg agactttttt tcgaaggtat tatcaaatat aaaatatact tataaagaca   120

tttacgggca tgtaagacgt ggcttttact ctgaaaataa ttatccaaac gtggctattg   180

cgagaaaaaa aaacccttga ttaaggaata taaaaggaac cgcaacctca agagctaatg   240

cttccgtatt gttacattan gctggtgcca tctcctccat atatatatat atatcggatc   300

acagatcaga atgcctatta atctattgca ttagtgatga attctactag tg   352

<210>   8121
<211>   356
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8121

```
cttaaactct tgacactaac aactcttaac acccctcaag cttatgcata gatcttaatg      60

ataccgatct tgttgacatc atagcatacc caagtcaaag cctttgtgaa taaatttgta     120

agttggtcaa tgcttaacac caaagaacat aaggcagaga acactatgga gcatatacac     180

gnaaaaagta tcttaatagg gttcctaaac gcataatcaa tgtattaagc tggtacacaa     240

atttcccaga tcaaatgatg cgttagaagc cagtctctca tcaacatgat gataatgtaa     300

tagtgatgac aaagattaga ttgtcaaata ttcctagaat atagaatctg gtttat         356
```

<210>   8122
<211>   356
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8122

```
agcnttgagc caaaatcctg actcaccata aatcttgacc cagggtgaga atgtcgatcc      60

ttaccctcgg aagcaaaaaa aaagagaagg aaaatttcca atcaaaggaa aaaggagaag     120

gaaaatttct aatcaaagag gaagcaaaac aaggagagaa ggaaaatttc caatcaaaga     180

gaaagctaaa agaaaagaaa gaaaaattcc caatctaaga atgagagaaa gaaaaaaaga     240

gaagttaaaa agaagaaagc tcctggtcaa agaaaccaga agaaatgtgc cgagaggtcc     300

ttggaccaga cgatatctga acaatacaga attgtcacca aatgaacaaa agaaag         356
```

<210>   8123
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8123

```
atccttatgg catgcctncg aactttcacc cnccgttgcc cacttctgga atgatnntaa      60

gccaaagccc cctacttttt ganggnngca actcccacct ttatgaagac tatcccccgg     120

caagacgaat gggaaggaga tacccatctt ggccccttg ctcacctcan agatccatnc      180

ncgcatgaac nntacccaac cgaacatagt ccgccatatc ccggnctcac ccacacccgt     240

aaaagaatct gttcccttcg cggaagataa aggaaagatt gangcgctng aagagaggtt     300

aagagcagtc gagggccttg gcaatacccca ttctcggant tgcagattgt gtcttgtgcc     360
```

3455

aacatcgtca tccttccaag ttcaaagacc gactttgtaa gtcaaaggac gactgtcgaa   420

gggcatttcg atgattgcga agatgggcgt attn   454

<210>   8124
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8124

agcttcttga gaaaactaca tggagctgcc tctgtataaa cgctgcccag ccttcgttaa   60

ccgttggatc ttctcgaaat ttggtttgca acttcacaag acactttacc atgatttaac   120

ccgtgggatc tttgagaaaa tatctggagt gtgctagaag cttccgttcc cgagagcatc   180

tcttatttaa gcatttcagc ctttgctttc ttgtagctta ggaaaaatcc catttcttct   240

tctttctttc ttccaaatcc atttctaaag ttccaagtac tttctccatc acccacaaat   300

catcattttt ctccattgaa aacccacacc gagaggaacc cttcaaccga agcagaattt   360

ccaacttggc ttgcggnttc ggtagagaac gaanaccta atatgatctt tcgttttctt   420

tcgagggtaa ccatggtcta t   441

<210>   8125
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8125

ggggcaagtt tgtgccttca aagtgaggca acaaactttc ctttgtgagt ttagctcgcc   60

tgggcaaatt tttctgcacc tcttggctct tttctataaa tagccatgtc aagtaagaaa   120

agagggacat tggaaggtag agagaaacct gagaaacacc agaaggagga aggaagtgga   180

aagtggagct cgagcactat agagttgtga ccgaggatca catccttcgt attattggta   240

atttcatttt gttcgtaatg ctttattcta tntgatcact agtttcatga aatttgattt   300

taagtttcac tagaaagtac tctntgaatt tgaactgaat gaatttactc tttacgttac   360

attgctagga atagagcata acattttgat tgcaaatagc acgcaattat gattgtaatg   420

ttggggtatt tacttcatat gcgagggatc aatattc   457

<210> 8126
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8126

caagcttgtc cgcanaaatc actgataact gttttaaggt ccaacgcctt aaacaatcct   60

ctntgctttt atcggntaac atggaccgtt cgaaagcgta aaatcaacac atcactttac   120

tgcctttcaa aagaactacg taggtctaat tttctcttcg atggagggta cgtaggagca   180

aaagccaagc cgacgtatgt gacttggagg gaagtctttt gttatagccg ccaagccgac   240

gtgataacgt tggaatttat attgggggag agttgtgttg tgttatgaac tcttccttag   300

t   301

<210> 8127
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8127

ggcttctaca ttnttcatgg taccaattgg ttctttcttt gtatagcttg gatgattcat   60

atgcgttgag gcgcatctct ttaagttcct gtagctttac cttcctcctc tctctacatg   120

ttgtagagtc aaagttgagg aacttcatgg cccaataagc ttttatttct aactaccctt   180

gtaggtggca tgcttttccg tacaccattt gaaacggnga gaggccaatg ggtggtttga   240

aggttgtttt atatgcccat aggcaatcat caagctttgc agcccaatcc ttccttgaag   300

tagctacggt cttttctagt atcctcttga tcctccctat ttgaaacttc atcttattca   360

tatgtttgtg aataataggg tgatactact ttatgttgaa cattatagta ttggaggacc   420

tttgagagtt gagcattaca aaagtgtgta cc   452

<210> 8128
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400>   8128

agcttgactg gtctttaact caagaagaan aaaatgtttt aatatttacc ttgttgatca   60

tttttatccag catatacttt tcactttnta tcaattagta ggccattttg attcctgtat   120

acaatttgta ttttattctt tagtgttgac tcttgactca ttttttttat tctaattggt   180

gtttctccat tatacttctg ctcttttaga aattctcata gatacattaa ttaaaaaaaa   240

aagccaatgc aataccgaaa aaaattaaaa aaaaggcaaa aaaaaaagtc aatacaatac   300

caaaaaaaaa ataaaaaaag aataaaaaaa aggccatact ac   342

<210>   8129
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8129

tgctcanaca gacaacaatg gtagctttgg gatgcattcc atgtatctga aaaggacaat   60

aggcttattc tggaggaaat tatgttaggt tctaaaggct acatgaacca atcaacctta   120

gcagcatcct atctttggat gcaattacca catgcagatt aaacaaaacc agtaattcta   180

gagcttcttt tgaccttcca gactacttca tgacatttct ctatgtactn taccttatta   240

atngtaatga tagttatatg tgaaacaatt aaaattctta tagtattgaa tgctttgtat   300

agaggagtta ttattcacac cttcattaca taatccaaaa cgttacctaa taaccagtaa   360

tttaacaatg aatcaataag caaaaggaaa ccaatcagca cctaacacaa acacaacata   420

ccaaagagga gaataatttg ctattg   446

<210>   8130
<211>   377
<212>   DNA
<213>   Glycine max

<400>   8130

agcttaggaa cccaaacttg tagcttcaat gcattgaaac atgcttaaat ttggtttttag   60

agttagaaaa acatgaaaat tatgattttc ttgtgagagt ttttgctcga atttgggttg   120

ccccatgttt gatactttac ataaaggtag catggaaaac accttgcaat agtgtgtata   180

cataggtaaa tataagaagt atgaaatccc tagcaaagtg tgaatgattg tcttcctaga   240

tgaatgtatg atagtgtgga atgccttttt tgaatgcaaa tatgtgcagg atgtaattag 300

ttttccaata tgcatataaa taaataggag tgaaacagta aaaatttgta tggtgtactt 360

caaatgtatg taagtag   377

<210>   8131
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8131

nntacagcag atttagtaat gacccactaa cctagaatta aaataactta atgcctttaa   60

cctagggaat taaaaaaaac ttaatggctg agtgtaactg aaattgtggc aaccaaaagt 120

cacccccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaggt 180

tgccaattgg gcccttatta caacttgaac taaacctaac taaagccctt ttagttgatt 240

aacccaaaac atatttttgg tcagccaact ctacaaggat tgggccatta tttagacaaa 300

ctaaacactc taaaattgag acaaggtggt gtcatttagt cctcctccat ttgggccatg 360

atacaactca caaccttgga cttttcttct tgaaacttgg gcttgtattc aaatagtatg 420

gacagcactt gttga   435

<210>   8132
<211>   255
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8132

tcttgtctct ctttcttgac ttcctcaacg tctcctttac accttggctt aacgaggctt   60

catcttgctc cttcaagccc ttctctacga tatcccacac atcttgagct cctagtagcg 120

ccttcatctt gatactccca attatcatag ttgtctttgt gagcatcggc atttggaaag 180

gaaaaccttc attcgccatc ttttgaggat ctttgagctc tgataccact tntgtggaaa 240

taaggctttt tatgt   255

<210>   8133
<211>   461

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8133

tctcnnccta tttgctataa atagggggag aagtgaagaa gataagggtt cagcccctta   60

ggcatttctc tttctctcga aattgctgag aaaaattatt tccgtgaaga aaatccaagc   120

cgaggcgctt ccgtaacgtt tccgtgagta attacgcgaa gattctcgac cgttcttcaa   180

gattcatcgt tcgttcttcg ttttcttcag tcttcaacgg gtaagtacct caaactgagc   240

ttttcaattc attctatgtg cccgtggtgg tccacatttt gtttcatgta tttttattct   300

tgttttcatt tacttttttat acccccttttt gacgtgctta agccatttat ttaagtcatt   360

tcttacttaa tttaaaaata aaataaattt ccaccggtcg tttgaattgt atcatccgtt   420

aattntggtt aaaatgaatt ccgaccgttc ggtcgtgccg t   461

<210> 8134
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8134

agcttcacct tctggtccta ctcatagttg tggtatgaga aaacatgctc tattttcatc   60

tcccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttca   120

ataccatcaa ttctgttttg tctaagaaca ccatcattcc ctcttctcct cctttcttct   180

tcattatgat ctctattctc catttgatcc aacctctcat ggagcgcatc atcttgttgc   240

ttcattaacc tctccatatg ttgcatcaaa gcttgcattt ggaattgcga aagccccact   300

ccatcattac gattagtacc tgacatctca nacaaaccaa tcagacgtat caagacaatt   360

atagttgctg gttgaatacc tcacccactc aagtgtatca cacaattatg gcttttctct   420

aatgaaacac tcttgccttt taccactcta at   452

<210> 8135
<211> 237
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8135

cgagatgagg aagcgngaag ggtgaaactt cctgctctca ttgtcgacca cagattggta   60

cctggagata tgttgcgggg gtcaggagac cttgtggacg tcaggtgggg tgctattgcc   120

cagaaccaag cttgaccaat cccgacccaa cccgggcata gtcggtcagt gagaacctgt   180

gatgtaccta aacaggcgag ctcctggcag tcatcagatt aaaggaacat agaccac   237

<210>   8136
<211>   430
<212>   DNA
<213>   Glycine max

<400>   8136

agcttatgct gcaaacattt acaatagacc tccttaacct caacaacaaa atcaaccaca   60

gcagaacaat tatgacctct ccagcaatag atacaacctt ggatggagga atcaccctaa   120

tctcagatgg tctagccctc aacaacaaca acagcaacct gctcctttct tccaaaatgt   180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa   240

acaacaaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac   300

tatgcagaac atgcagtttt aacaagagac cagagcctcc attcagagct taactaatca   360

gatgggacaa ttggctacac aattaaatca acaacagtcc tagaattctg acaagctgcc   420

                                                                     430
ttctcaagct

<210>   8137
<211>   538
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8137

aagagaatag tgtcttattc tcncttcctt attaccgcnc ncctcttctt tcgctannan   60

nnacacaact nctctgtttc ttgagactat gcatcagcga cacttgaatg ctcagctcac   120

acagttatac ttctcagact gagttgtgga agaccattta ctaagtattt ccgtattaga   180

ggacttagat gatgcatggt aatgtgtgga gtgctatgat gtcgcaacct agaatcatgc   240

tttttactta ccaagcagct tagctcatga aatgatgcat gttcacattt agcatgtaga   300

tattacctat tgtttttcaa agaggacact ttacccggnt ntnacgnnac ttatttggaa   360

gatttcttgt tgaatttccc cccccccnnc cccnnnnnnc tnnnnnnnnn nnnnnnnnnn   420

nnnnnnnnnn nnnaannnnn ccnnnnngtn ctccactatt ttcttgctat tgctcaacat   480

acatatctca ctttgaccaa gtcaaggttg cactgtactg tcatgtgcct aacaccat   538

<210>   8138
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8138

ctctgcaagt cttagaaact tagtctgtta gttgtacaaa tttgctatgc aactctcata   60

ggtctctata aaatgtacaa tgtaactaaa aatgtttggg aatgaaatta aatgtcacac   120

tttcgcaaat tttacgcaat gctctctttc tcttactctc tatttctctc tccctctatc   180

ttttagnttc aattcatttc taatagatgt catccctctc tttttgtgta ctcaaagtca   240

gaatctgtaa tgtacagtct aatatatgta gaggatatca tagtcactgc aaatgactct   300

aaacttgatt agaaactagt ttacctatnt ttcttaanag atcatggaga tcttaattta   360

tttttgcgaa tngaagcagc taattaagtn gatggctcac atatacttac tccatctaag   420

tatatgtgta ttanggatct ttt   443

<210>   8139
<211>   319
<212>   DNA
<213>   Glycine max

<400>   8139

tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taataggtaa   60

gctcacctcc ttgagatgag aagctagagc ttagctacac accccctgta atagctaagc   120

tcacccccat gacaaaaaac aagaaaatac aaaaaaaagt ccttactaca aagactactc   180

aaaatgcccc gaaatacaag gctaaaccc tatactactg aatggccaaa atacaaggcc   240

cagacgaagg aaaaagctat tctaatattt acaaagataa gcgggctcat acttagccca   300

tgggctcaaa atctaccct   319

<210>   8140

3462

<211> 370
<212> DNA
<213> Glycine max

<400> 8140

```
agcttgtcac tttttttgagt cactctttac agtcttaagt ttacttcaat tggtgtctgt    60

atagaacttg tcttttctta atacacttaa gcaaactcat aaataggcat taattgaaaa   120

ggcttatgat ttgtgtttag aaggtttgta ataattaaag catcaagggt tttggactca   180

acaaattttc cataacataa gatgtaaaaa caattatcaa agagacattg gagaacattc   240

accatacacg gatagagagc aaatatgaac taatcaaatt gaatggtaca catactgaaa   300

taataaggga ctaaacaata aatatctaaa cttcatataa ctcggtaaaa ttacctgcta   360
                                                                    370
caacaagtca
```

<210> 8141
<211> 391
<212> DNA
<213> Glycine max

<400> 8141

```
tgaccaatcc cgacccaacc cgggcatagt cggtcattga gatcctgtga tgtacctaag    60

caggcgagct cctggcagtc aacagataaa aggaaaacaa gaccacatag caaggaggct   120

tgtggtggct ggccagctgt gaattttgtg taatatgtgg attgtggcct ctggtaatcg   180

attaccaagg ggggggtaat cgattacaag gcttataaat gaagacaggg ggctaagatg   240

gtctctggta atcgattacc aggggatgta atcgattacc aggcttgaaa acgaggtcag   300

gaagctaagg aagcctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttaa   360
                                                                    391
atagggaact gggagttgat gggagcctct g
```

<210> 8142
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8142

```
agcttagtcc tataccattg ttcactgaac tctttataac tgttgggggaa caggtcctta    60

agtttcccac acctaaagta attcaaggta gtacattaaa agcatattcc tgatcctagc   120
```

```
aatatttata ttcataaaata aacatggtaa gctgatacat cttttgaaat gtttttatt  180

tggaacagtg aatctgtctg gatggatgac tgatgaagag tttgcaagag agatgattgc  240

tggagtaaat ccacacatta ttaagaaact tgaggtaaat ttactattga actgttaagt  300

acataacact antaaacatt tatccacttg ttaaatttgc agttgataac cttaactcat  360

                                                                    375
tgcaaattat attta
```

```
<210>      8143
<211>      421
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8143
```

```
tctcaccggg ccaccttgat agtgcagtga ctatgctgtt ccttcattat ctgataagat   60

ttagtacatc ctataagcaa cataaagtat gtgattaata ataatttaac taatgaaaaa  120

tcaaagcatc tttacatgaa ctaatttcca cgttgaatga tataaaagtg aatactgcat  180

aatctgcagt cttgatttgt ttagcacctg ctctatacaa tcccaagttt ttgtttttgat  240

tttttntaag aagccttata gtttatactt tatagaggtg tgccaccagg aaactagaat  300

tctaagcaga gtttatgtct aaagcacttg aaaacctatt taaaatgttg ttttgacgat  360

tcatttggag taattntaaa ttttcctata atttttatta aaaagcttcc tatttaataa  420

                                                                    421
g
```

```
<210>      8144
<211>      240
<212>      DNA
<213>      Glycine max

<400>      8144
```

```
agcttataaa atttaaattc acatctttaa aagctgttat aaacagttta aactttgggt   60

aatcgaatac ataccttgtg taatccaata caggctttga aattcaaact caaaatttgc  120

gaattatttc ataaatcaca tttaaccatt ggctgttcat taccagagag gaaatatcat  180

atttttgaga atatacatgt tcttaaaaaa aacttgtaga aatttccttt agccaaacct  240
```

```
<210>      8145
```

<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8145

acaccactgt cgttgtgaac aatggatcca tttgtaaaaa taaaacctaa tgtagagttc   60

acaattgtct gactgcttgt ctctcccaag aatgccatag tttttntgt aagagttggg   120

ttatgactga aacttgtggt tttttacagt cttangcgat gtcatatata tatatatata   180

tgagtttaa tatcagtgtt gcatttttta aagattaaaa atacacatac acatgctttc   240

ttatgtgttg ttaactacac caatgacgtg acacacttta tcttgcatca gatctacatg   300

tgtagtcatg ttgtgcaagg tcttgtcacg cactttatgt taatgcagac aacaatttat   360

                                                                     382
catacatgtt ttttacaatg tg

<210>   8146
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8146

agctngcaca tgcataaata gnatataagc aatgttttgt gtaagaagga tgcacatgct   60

agtcaaagtt cttatctcgt gaaacatgct tatagggtct cttacatgaa atgatcatac   120

ctgtggaatc ttgccagaaa taaagctagt ctataaaaac ttgtatcaca gaccactaaa   180

aaattataag ttgtgtttat tggactccaa gtgatgcatt aatattatac aagttaagat   240

atcagaaggg aacactttgg caaaaaacca atactttgtg taaccattac cttacaccac   300

ccaactttca ttctntacca ttgatatgtt catccttcta tccatttgtt gtgttcttga   360

                                                                     382
ttgtcaacca atgacacatg ca

<210>   8147
<211>   458
<212>   DNA
<213>   Glycine max

<400>   8147

ggcatcaaac aaccgcctat gagcatcatg atatgagctt taacatactg tgctatgacc   60

atatcatcaa catcatgaag ttgctgaaaa ttttgtcgca accagcttaa ataaatcatt   120

ttactctta catacttatc aggtggagtt tttcctagta atgtctaatg agcaacacgt   180

acatcatcgg tgaggatacc agttactggc aatccatcaa tcttcaagcg caactgtatg   240

cccacatcat gtaaagtaat ggttgcctct ccatgtgaaa aatgaaatgt gtgcgtctcg   300

ggtctccaac gtactaacca catgctggtt aatatcaact tttctgacat ttataacatg   360

actgaaacca gctaaagtga attacatttt tacccgatta tctatccgat ccaagtggat   420

gaaagcgcaa acaaaattat acctcgaaca aatcattc   458

<210>   8148
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8148

agctntgcag aggtcaatca aaggcattta ttactgtaag atctctccaa tgctcatgaa   60

agcaattgga cagacaagca gtgatagtga acattaatat cccgataaaa ttaaagggta   120

atgttaaaat aaataaaaga gtaaataact aaatataaat tatttcatct aagataaaat   180

atataaattt gtgagagaat cttttaataa gatataatgt ttaaggatta attagataat   240

aaattatatt ntttataatt aaattgatat taagtttaa aatttaggat taatttataa   300

ttaattcttt ttagaattaa tttatctcac tttttatata tttaaaaatt aagtttaaat   360

tttttatctt ttaagaataa tttattgcac ttatcacttt taaggataaa ttaactattt   420

tagtattatc ataaataaca aataacaaat gt   452

<210>   8149
<211>   458
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8149

tgttgagtgc tcgaaggatt taattgctct gcttatttgg attcttatta gtaaaggggc   60

caagctactt actgggcctc tatttttac accttaatg cttgttagtc ctgttattat   120

gtattcatat atgcacggcc gtttaaactg tcatcgtaac tgactttta atagttgctg   180

taatgatggg tattatttgc ttattggcac agcatgttac tctagctagc ttagaaaggt 240

gtacggtttg gaatttagtg tctgggtagg atttattgat tgtagtgtgg tcatgtcatt 300

atgcagtgtt tacagaggtt tattttagt tgaactctat caagttaagg aaacaagagt 360

ccagaggttt attttttga atgatgagca acttgattta ctggnttcat atcacatcct 420

ttgagttaga atgctgatgg tctagtagtg cagttaca 458

<210>   8150
<211>   365
<212>   DNA
<213>   Glycine max

<400>   8150

agcttttaga tgtcttagat tgacaattga atgtatcatc tgctgctacc gtaatattag 60

aagttttctt atattaaacg tgccaccact aaaaacaact catttattca atattaatga 120

tttggttacc ctcgatacaa ttggactgct tttggtgata caattgatga tttatatgct 180

tcttacaaat tgatgtatga attagactac atcttagaaa cagtgaagga gataaattga 240

tgtacaaatt atatcaaatg ttaagaacag tgaaggagaa aaattgaagc cacattggca 300

actatatgta gtcatactct cacgtcttaa ttgtttctgg ctaactagtt gtgaattaat 360

tccat 365

<210>   8151
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8151

tgatagaggc cgngtggttg actnttcaag agggcggacc cttcataaaa acaaagtcgc 60

ttgccaatca tggagggggg cggttaatgc catcgaggtg aatgggtcac acgggcccaa 120

gcttttggag gacgtaaaga cccccagaag gtttatctac aaggccttgc aaaaggtggg 180

catgattccc tgcggcaggc gcagagaaga ctcttgctaa atgcatccgg gtgtactcca 240

tgacatggaa acatgttcgg cagtaagaga tctattacaa tggatgatag accaaggccg 300

gcttaaggtc ggcagtgaga gggaggagga acaacatgta tacatgcagt cggcagatga 360

agaaggacct aaaaagccta aacccttggt aatacacttc actaggaaca cggctcccca 420

aagacctcaa cacccctcgg tagt   444

<210>   8152
<211>   340
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8152

agcttgtaaa tgaacaacgg aagctctcga gattattaaa tggtcataac ttatcacacg   60

gaagtccgat tcagacgcat aatatatcga gaagcttgaa aatgaacaat ggaagctgtc   120

gagaaattaa atggtcataa cttgttacac cgaagtccga ttcaggcgca tactatattg   180

agacgctcga aattgaacaa cggangctct tgaaatatta aatggtcata acttattaca   240

cgggagtccg attcgacgca tatatattga gaccttgaaa ttgaacaacg aatgctctcg   300

agaaattcaa atggtcataa cttttcaaac ggaagtccga   340

<210>   8153
<211>   379
<212>   DNA
<213>   Glycine max

<400>   8153

cacacggaag tccgattcat gcgcataata tatcgagacg ctcgaaattg aacaacgtat   60

ggtgtcgata aattcaaatg gtcataactt tgtcaacgga tgtccgatta tgcacataat   120

atatccagat gctcgaaact aaacatcgac agctctcgag acatacaatg gtcataactt   180

ttcacacgga agtccgattc aggcgcataa tatatcgaga agcttgaaat tgaacaacgg   240

aagctctcga gaaactcaaa tggtcataac ttatcacacg gacgtctgat tcaggcgctt   300

aatatatcga gacgctcgat attgaacaac gcatggtgcc gagaaattca aatggtcata   360

acttgtcaca cagatgtct   379

<210>   8154
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8154

```
agcttccatg gggtgagttt tgtttccctt ttcacgctnt aattcactcc ccacaagtaa      60

gtgcattttc ccttggttat ttggctctcc attgatgtgt tttggtgctt tagttgctca     120

ttttttgcaa aattcgtgaa gcgattcgca tctgaatcca tgcttgtttt gttgagttga     180

gggtttgtgt gagaaggcat tangcctatg ttgtattctg aagcaatggg gcatgccaca     240

ttgtccccat tctcttgcaa tttgtgtcca aacgtgcgcc ctcgaagtgc tcggtgaaat     300

gccccaatga tatatgaata tganntttgc gaaatgggat ggtgggactg gtttatatat     360

gtagagacag catangagat tcaaaatatg tgcccgaatg caatttcaa               409
```

<210>   8155
<211>   331
<212>   DNA
<213>   Glycine max

<400>   8155

```
accgcttagc gacaccttat tcttggctta tcgcgactca gtgtcgccaa gcgcaattcc      60

ttacggccat aactaaggtc catgaagcta agcgccagtc atggcagcta agctgaattc     120

cttgcggcaa tgtgagcgct aagagaggcc ttatcagcta agcgcatgct cctctgtact     180

taagatgcat cattttagct aagccagcca tagcctggct tatcgagagt tacaactttt     240

cggatctgca aacctcgcta agtggtttga tcctgtcgct aaaccaagcc tctgttaaaa     300

                                                                       331
aaaaaaaaac tgattttgaa tgtgaaacgt c
```

<210>   8156
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8156

```
ttggttgatg ctatttctga cttaaaaata tttagaggtg agtcttccag ttttgcaagt      60

taaggaattt ttttagaatt atttaattcg agtaataatt tttttgttag aatgaaggat     120

caatgtctag tttaagttta atagtgctag caaatagatt tatttattgt tatcattcac     180

aaaatattta attgaagtaa taattggttt tctagataaa aaattaatat gtgaagttta     240

agcgtattaa tttttgtaat taggtttttt actttgaagt tttttaatt atgtttaatt     300
```

atttacaagc cttacaaata tttacctgat tcccttctag ttttctgaag ttagaatgaa   360

atttgaatct atattttaag ttaaagttag tagatgaagc aaccaaatac agttatttat   420

ttaaaaacta ctcttggtat gattaatgat ntctaatttt   460

<210>   8157
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8157

agcttgcatt atgttgagag atagcgtgtg gaaattaggt gcgtcagtga aaatgttatc   60

ttgcatggca ggaaagtagt gtaggagaaa ctaattgctg caaaccggtg agttgtatga   120

atcttaattg tgagagaatg actagtatca actactaatt tttgcatgaa tctatgaatg   180

ctgaatggat gcatgatgtg gaaatgatga aggccatgtt gaatttattt ttttgttaca   240

gagccaaata gccaccttgt atgagtaatt aaagtaaacc tttgcaccca gtaagccaag   300

catgattgaa tattgtcctg aaccctagcc aaagtaaata attntatcac accttgctcc   360

aggttttacg aaagcattat cttgatgtga aatggttggt tcaaatttga gaggcggtgg   420

tgtagtaaat catgtaaa   438

<210>   8158
<211>   480
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8158

gcccgcggnn ttgaacatgc atagtgctct taaactagct ttgtgggaaa cagattcagg   60

atatctccaa ttgctgacga cactattttt tttggggaaa cttcaatgga taatgttaag   120

ctgtgaaggc cattcttaga agctatgaaa tggtttctgg actgagaatc aatttttccc   180

agagcccatt tggagcaatt gggcaatctg aggagtggtg ttgtattgct gctgatttct   240

taaactgtgc catgcttcat tttctttatg tacctanggt tgccataggt atcaattcga   300

gaaggaggtg gtgtgngagc ctataattag gaattcgagc tacgttgaca aatggaacca   360

agaanatctt tatggctgca gaatacccaa attaatggtg cttaacagca ttgcctttgt   420

ctatcagtct tctatcacgg gcccttcgca gtgattaata gactaactgc cattcaagan   480

<210>   8159
<211>   387
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8159

agctntacag cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcca   60

ttaacctagg gaattaaaaa aaacttaatg gctgagtgta actgaaatta tggcaaccaa   120

aggtcacccc caacagccaa caagtcagcc accatttggt ctcccaaaag gctgatgcct   180

aggttgccaa ttgggccctt attacaactt gaactaaacc tactaaagcc cttttagttg   240

attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac   300

aaactaaaca ctctaaaatt gagacaaagt ggtgccattt agtcctcctc catttgggcc   360

atgatacaac tcacaacctt ggacttt   387

<210>   8160
<211>   467
<212>   DNA
<213>   Glycine max

<400>   8160

caggaactat aaaactaagc ttacaacatg tggattatcc tccagcacat caacatcctg   60

catactatgt atatcgtaca gtcttcatca gactcttcag tcgaggagtt atcctcacct   120

cgcctcgtgt tatcactgca aaccaaatac aaagaacgat cctccatcga gtcctccatc   180

aaatatgtat catataagtc atcattagtc cctaccttaa tgtaagatct aagcaaaact   240

ggtgccttga ctcaaattaa gactctagcc acatctagat gcatcctatt agtagtatac   300

tcatttgcat acatatagtc accataggag ctacaatccg atttaaaaaa tcatcattcc   360

attcatgagt agggacatta agcaatttca cccataccaa gttttatggt ctaccaagcg   420

agcgagaatt ccatagaaca atatctacag aaccactccc atcccat   467

<210>   8161
<211>   449
<212>   DNA
<213>   Glycine max

<400>   8161

agctataaac ctactttatc gagttcctga atgttgaaaa agtgttctac atgaatggat   60

ggttcaatgt ctgtgtggat agtggtgatt ccagggttg ggacaatctc gacagcacgg   120

gagttagaag taaccattgc aaaaagtttg agaactatga tttaaatttc agagaggaag   180

atgaagtgtt tcaaagtagt gagtaatgcc aagagtttca acattttaag gttttgtaat   240

gggttttttg gcttttcaa aaacaatcat taagtccact ttccaaaatt gactcaacaa   300

ttagtgttac aacgtttcgt tatgaaaaat actgtgtttt atataataat aataataata   360

ataataataa taataataat aataataata ataataataa taataataat aataataata   420

                                                                     449
ataataaatg catgatatgt cgttcatat

<210>   8162
<211>   469
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8162

tctatggaaa ctgggatctt gagcttcaat gaagtccttc aatggtgatt ttcaaccatg   60

gagatgcagc ggaagataaa ggagaagatg tgagatgatg tagcttcatg tagagcttgt   120

aggccttaga tcttcttcat caatagagac ttttgcttct tgaagatcaa tggcagcgga   180

atggagaagg aggaaaggtg attgtagacg ccacttcaag gagaaaatga gtcaagaaca   240

agctcaccac catatgaagc catggataag agcttgaagg tangagaaga tgagtggagg   300

gagagaggga gaangggcat ganatgtatg cctcaaatga ggtttgaaca ttgaagtgta   360

atttctcaaa tgttcanagt tgaaaaaata cacacacaaa agcttctatt tatagcctaa   420

                                                                     469
gtgcacacaa aattggaggg aagattgaat ttctattcaa cttcacttg

<210>   8163
<211>   332
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8163

agctnggcat cttgctccaa ctntctttnt agctcttcct tangtagtgc tttaacagat   60

gcaagcactc cttcttctag ctcaaaaact tccttcttct caagtgtttc atctaacttg   120

gctttctttc gtgcttcgtc caaggatttc ttcttagcct tagcaaaggc tacaacttct   180

ttgttgctaa tgagagacag agtatgtttg gattgaggaa tatgatgagc tggtgaatga   240

ggttgaaggg ataaagaagg tgaacgttga ggtgtacgag ttttaagaat cgcatcatca   300

gattcttggt cttttggagg ttacgagggt at   332

<210>   8164
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8164

tgtagaacta tgttggattn tccctacggg tgttttttgt tccacttttt ctttgttcaa   60

atatattcaa gggaaattcg gtttgccgga aagcacaccg gatcgtcaag tatttaaaaa   120

ttaaaacgga tgaatccgag tatcgaacac agggaactaa tgtttacctg aattaagttc   180

agaaatgaag cattgttgag agaacatgta tgattgataa tttcaaacaa aatttaaact   240

aacttttatg ctaaaaacta taaaaagcaa ggtaagtaaa agtgacaaca gtaggcagaa   300

attgttgggt ctttctaaca aacaagctga tgcatataaa tatatttctc taatcaatca   360

gactcttgtg ttctatgctg tagcctaaat tactaaacct cgatccctcg tcagaccgaa   420

tcaatccaag cttcgtactc atatccctc   449

<210>   8165
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8165

agcttaggtt atggttcacg gtatggtttt cttgagcctc agtctataca ccatgcaaag   60

gacagacgtc aagaatgtca acaatacatt gaaacatggg tcaaaggaat cacattgaca   120

agtgtactta ggaccttact tgaatcagta agtgaaattc atgtcattat tgcgaaaaaa   180

gtttgcatta taagtaccta attatagttt ttcgacttca gggcacattg gcatcttatt   240

gttctgtgtc cataggacaa tattgatgtt tggtttttgt ctttgcttaa gaagcctaat   300

gttaacatca aggttgcaat taacaggtta ttcttcaaat tataagtaaa ttaatgtata   360

ccaattgtag tatattaaca caantaattt tatcttatat acgttaacgt tattgtggaa   420

                                                                      446
actagtgcaa tgaagacatt aaccac

<210>   8166
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8166

nttatagaca ctgtaattgg gtttaaactt tataatggaa aatatcgttg ttaatattat   60

tcttttaaga taaagaaatt ttagcaggaa aaaaagttca tataagaaag gagacatctc   120

tatctatcaa tcagccagtg aaaattattt ttgtggttta ctgcatttca ttgggttgga   180

tggtatacaa tagtattctt gttaacttct tcatttatat tgtgacttga gaatgaactt   240

atctcttgta ttacatacat gtatcagttt ctgaatacat aaacttggaa gtgtcactcc   300

ctctaatgac cactatatta tatgaaaagt tggaaatccc attaccacta ctagagttgt   360

tgaaagagag aaaatagatt caagagatgt tgaaacctgt gtcttgacta cacaacggag   420

                                                                      455
tccattntat atagacttaa tgcaataaat acaaa

<210>   8167
<211>   421
<212>   DNA
<213>   Glycine max

<400>   8167

agcttctgtt ttcaatttcg agcgtctcga tatattacgg gactcaatcg gacatccgag   60

tcaaaagtta ttgcggtttg aatttgatgt gagactccgt tttcaatttg tagcgtctga   120

atatattatg ggactcaatc agacatctga cttgaaagtt tttgcggttt taatttctag   180

gggcatctgc tctgaatttc gaatgtctcg atacattatg ggactcaatc ggacatccga   240

gtaaaaagtt attgtcgttt gaatttgcta cgagattctg ttttaaaaat ggagcatctc   300

gatgtattac gggactcaat tggacatacg agtaaaatgt tattgttgtt tgaatttgcc   360

cagagctctc gttctcaatt tggagcgtct cgatatatta ccggactcag ttggacatcc   420

g

<210>   8168
<211>   205
<212>   DNA
<213>   Glycine max

<400>   8168

tgtctcagcg ttatgcgaga cggagaccaa catgctagct atcatcgcca agtaccaaga   60

agagttaggt ctagccacgg cccacgagca taggatcgcg gacaagtatg ctcaagttta   120

cccagaaaaa gaggcaagag gaagggtgat cgactcttta caccaagagg caaccatgtg   180

gatggatcgg tttgctctta ccttg   205

<210>   8169
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8169

attaggttgt taagtttctt cctaactaaa aatcaaaata aagccttata ctaacgttcg   60

tgaattaacg cgtttttcagt tattagtcga aacaacanca ttcacttact atagatcgat   120

actataacac tcttaatata ttaataaaag aacattagga ttgctagccc ataggtgaca   180

cattgttatt gacttgaaac aaatgcatct atggctattc tttttcacta tacgccgtaa   240

actatgggtg ttgactatct tttcaagtat aatcacattg tgtttctaac tctggcctac   300

atatgggctc ctaatcaata ggacttatct ctgaggctgt ctcatctcat ttaacttgca   360

ttgtaatcat aattatatca caatacttta agttcactca tgtcg   405

<210>   8170
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8170

tcctccaata ctcgaccttg actctctatc agcaatgtgt attttctata tttggattga   60

gggggcatgc tggctttaga ttntcctaga ctatggctac tcttgatctt cacctttcgg   120

tctattggct tccttgaaga ttttccacgc attttctttc taaacttggt aatctcttcc   180

atctgaatga atctaacagc ccttgctccc aacatgtcca atattgtacg caatctcttg   240

cacagactat ccgagtaggg accaaatttc aatgccataa tcattgaagg gagtgtgact   300

tttgggctca agttctgaat caaaactgag actggtgata acctttcaat gaaatcgtga   360

aacgatcctc cttcttctta cctaatgtca atgagtgcca caactgttag atggtgtggt   420

atgctcgtca cgtactgagc tcccaattga ctata   455

<210>   8171
<211>   318
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8171

agctnttcgc anagcttacg gtaaaatctg ggacttatcc atggtagaag tctccacaga   60

ggccattgcc tcccatgccc agtattatga tcagccgatg aggtgcttca cctttgggga   120

cttccagcta tcacctatgg tagaagaatt tgaagagatc ctaggatgcc ctctaggggg   180

aaggaaacca tacctcttct cagggttcta tccctcatta gctagaattt ccaagatagt   240

ccaaatctcg gcgcaggaat tagaccatag gaagcaagtc gaaaatgggg tggttggaat   300

attgagaaaa tatttgga   318

<210>   8172
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8172

tgtgtaaccc accatctttt catagtagaa tactggttat gtgtctacca tcacgattat   60

catctccctt tccatcattg ggagtgccac ttgggctgcc agatccctcc acctttgggt   120

gtattctttg aaagattcgt gccccttttt gcacatattt tgtagttgca tcgtagaatg   180

gactcgagaa ccattatgtc cttccaagaa tgcactcggg aaggttccaa gttagtgtac   240

caagtagcag ctaccccagt aagactttct tagaagaaat gtatcaacaa ttcctcatct   300

tttgggtatg ccccatcatt ccgacaatac atctttagat ggttcttgtg gcaagtagtc   360

cctttgtact tgtcaaagtc cagcgccttg aacttgggaa tgaccacgtt cgggtactan   420

gaacaactct tctatgtcag taaaggcata atctc   455

<210>   8173
<211>   362
<212>   DNA
<213>   Glycine max

<400>   8173

agcttagccg ggccttctgc ggctttaacc agttgtcgac cgagagttcc tgggcggtca   60

gcggtggccc gaccacgacc tcgacgccga tcgggtcgtt ctgttcgagt cgtaggcga   120

tgaggatgcg ttccttcgtc aacctccgga cctcccgatc gatctcggat tcctcgtcgg   180

cgtatccccc ttcaagatcg acctcccttg cgacgagcgt cggcaggtgc gactcgtcgt   240

agagatagac gatcagcgcc tcgttgtaga cctcgacctg cgtggccccc gggcggatgc   300

cgggccatgg agcttctgac atgcggacct ccggcatcgc gtgtagattc ctctcacgcc   360

                                                                    362
at

<210>   8174
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8174

tattaggacc tatgaaactc aagctntagg gacctcggcg agaggccatg accgagtttg   60

cggctgaagg ctggacgttg cgagcctgag gattgggaat cctcggcggc catttccccg   120

atctccagga agctgatcga ctctccggcc ttcggcttgc cgtcggggcc gtgagttagc   180

gtgccttcgt cccgagtcgg accggctcca actcaaccgc ctcggcccgc tcgggcttca   240

cccaggtcct gaagagcgtc tcgtccgggc ccggcctgac ctcgacctcg tatgcctgcc   300

cgacgaccag gcccgggagg acgaagcgtc cgtctcggtc ggtccgggcc tcgcgggcga   360

aggccagtcg cgaagcattc ttcgaatcgt cggggaagac gcgtcggccg taggtgagcg   420

                                                                    468
tcacgccacg cgcaggctcg ccggcccggt cgaggaggat gcccctcg

<210>   8175
<211>   311

```
<212>      DNA
<213>      Glycine max

<400>      8175

agcttagaga tgctacaact tgggggggagt gttggaaact acaaaaaatc tattagtgct    60

ttaattcatg tacttagttc aaatttgctg agtttgagtg ctaaaatctc aagtttctta   120

gttcaaatct ttaaatccta aaatctcaac ttctctatca ttatgacttt tctattgccg   180

attacatcaa tagttttgac tagatttgat agtttatttt tatctgcata ttttataaag   240

gattaaatgc tctgttgtaa gacaccatac tattttacaa accacactgc tacagacttc   300
                                                                     311
gaggtttaca c


<210>      8176
<211>      452
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8176

tcaggggatt gaaattccgc ctgacaaaca ataaattatg ttttgttgta agtaaataac    60

aaatttagac tattaaagaa aatcaacgaa gaaaactcaa atacctgaat atcctcccat   120

atcaaatcct tctgagcagt agggacttcc ttccaggtgt catatgtcac gtcgacctta   180

tcacgagcga caatccccaa atatgttctt aatttcttct tgtagggacc gtcggccttg   240

ccggtagcag gatcgacgtt gaccacaggt ctttctgccc caggtggtct agtggccaat   300

gatcgtagcc gtgtcgcctt gcgtgtccgc ttcaacgtag atggagacgc atcancgttt   360

gcaggaggag gaggaagagg aggaggaggc gaggcangtg gagtatccat ggtcctttaa   420
                                                                     452
agaaaanaag ttgagttagt taatattatc aa


<210>      8177
<211>      390
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8177

agcttatcct tatggcttgc ctctggactt cacttcccgt gccaccccgg taagattaag    60

ccaagcccct acttttgagg ggcaacttcc gccttatgac gactatcccg ggcaagacga   120
```

tgaggaagga gatacccatc ttggccccct gctccacctc aaagatccgt ccccacatga 180

actaccccaa ccgaacatag tccgccatat cccggcctca cccacacccg taaaagaatc 240

tgttcccttc gcggaagata agggaaagaa tgaggcgctt gaagagaggt taagagcagt 300

cgagggcctt ggcaattacc cattctcgga cttagcggat ntatgtctcg tgcccaatat 360

cgtcattcct tccaagttaa aagtaccgga 390

<210>   8178
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8178

ntatgacatt gttaatgttt tcttactaat tgtggtcatt tgattntagt attaatccct 60

tttataatga actcacccct gaaatttttg tatcatgtgg ttggtaccta tgatgatcgc 120

gaacccttgt tcgtgggagt agaatgacag cagtagagta caggattatt ttagggagag 180

ttgtgttttg ttaatcaact cctccatagc tggttccatt attctttntg ttgaattgag 240

gatgtaaatc acaatcttaa ttatatgtat gaacaaattt actttccatt atgtgaataa 300

tgtgtactaa gttactatgc ctatatatat atatatatat attcatttaa gtaatggtgc 360

gttgtttggg aatgtatatc gtgaaattaa aatntaaaat ttactttaat ttttcataag 420

caaattaaca gaattttcat ttaaaaattg aagatttcac 460

<210>   8179
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8179

agctngagga agtgatgact tccctttctt aatggcgacg tctgatagtc cacccttttt 60

ttatgaaccg gtgtctattt gaggtcttgg gtctctttct ccccttgacc aatccagtgt 120

gctcttcttg agcacttgaa tgtggcccct tcccaactcc accctaaaaa aagatgatgg 180

tactcaatga accaagaggg gaagagggtg aattggtttt caaaaacaaa acttttaaaa 240

ccaaagttac aaaagcttct tttatacaaa tcgtatcaca aaacttttca tgaactgaac 300

tcaatcaata cataatcaat ccacccttta tacaatatcc ttcattaaag ttatttcatt   360

tttaacaaag atatatcttt gaatcttttg aacactgatt aatacttgaa tgagaaataa   420

agatcagatc aagagaagag ata   443

<210>   8180
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8180

aattactttg gttcggtcaa aattatttat tttaggataa tttattttta ccaaaatgtg   60

taggcttttta ttttctttt tattactaat tataggatg caatctttgt tttgtaaagc   120

cataagtcca cttgtatgtt cttcagttaa ttttggaatt atgctttttt caaaattttc   180

gtaaagaaaa tctacagttt tttctatttg gtttagtctg atttccaaag tggaaatcct   240

attgttcata attttatttc catgatcatt ttctttctta aagtctggaa attctatttt   300

cagaatagtt tgtacactag ttntgcagaa attcttatag cataaactac agtgagctct   360

tagtgttttg tgtggatatc ttttacagaa ataacattct ttgtgatctg gtcctatgtg   420

gaattgtatt tcatgttcat ggtcat   446

<210>   8181
<211>   396
<212>   DNA
<213>   Glycine max

<400>   8181

gcttagagag gaagcttcaa ttgaggaaaa gaaagagata ggggggagca caaaattgaa   60

ggaggaaaag aaggagagaa gatgaacttt gaagtgtgtc tcacaagact cataatcatc   120

gaagttacaa taagtgttac acatgcttct atatataact taggtagctt ccttgagaag   180

tttccttgag aaactttctt aaaaagctag aacttaatta cacacacccc tctaataact   240

aagttcacct ccttgagaag ctttcttgag aaacttcctt gagaaataag cttccttgag   300

aaatttcctt gagaagcttc cttgagaagc tttcttgaga agcttcctag agaagttaaa   360

gcttagctac atacatgcct ctaatagcta agctca   396

3480

<210> 8182
<211> 472
<212> DNA
<213> Glycine max

<400> 8182

atactcaagc ttcttagttt cagatgatgc agctgagttt gtagttacct catgcactcc   60

tctaatgact atagcatcat ttctggcact aaactgctgg gagttggaag ccatcttctt   120

aattaaattt ttggcttcag caggagtcat gtctccaagg gctccaccac tggcagcatc   180

tatcatactt ctctccatat tactgagtcc ttcataaaaa tattggagaa gcagctgctc   240

tgaaatctga tggtgagggc aactggcaca tagttttta aatctctcct agtattcata   300

caagctctct ccattgagtt gtctaatacc tgagatatcc tttctgatgg atgtggtcct   360

ggaagcaagg aaaatgtttt ctaagaatac tctcttcagg tcatcctagc tcgtgatgga   420

ccgtggagca aggtaataca accagtcctt tgccactccc tctaaagaat at   472

<210> 8183
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8183

agctnttcct ccctcttccc acgttgcttt tctcttcttc ttcctctcca ttgaagcctc   60

cattaaagct ccaaaattgc tcatcatttc tactccaaat tgcgaaggga agccattttc   120

ggagtcgtga agcacacctc tacgttgtgg gacttcgaat ttcaggtatg ggtggacttc   180

ttctcacatg aatttcgtgg gtattgggtt tttgggagct atgatgggta gttctactaa   240

gttaatgcct tatggtagtt atttgtgaag gaatatgttg aaatcatgct aaacttgaca   300

tgtntgatgt gagtaaagct acccattcta ttttagggtt ttacgatgat gctttgtgat   360

atttgtatgc tgaaacttgt ggtagaaaac tggtaaagat gatggggaga gttaacttac   420

ggttaaatgt gagaatggta gtgatgtgag tggaaa   456

<210> 8184
<211> 471
<212> DNA
<213> Glycine max

ctaagcttag tgcctntagg aactgaagaa agaatagana gcagaatgtt aatgtgataa   60

aacttcattt atatatattc ttctgtctta agagaacaaa taaggaacac aaggggtaga   120

aagaactaag aagtaaaact aaccaattgt agggtctgta acttaccaac caacanaaaa   180

atcacgggct cgttgagatg ctaccctgtc tttntctgta nttgtttgag gaaaaatccc   240

aaacgtgtaa atagagatac caacaaatcc atgttgnttg tcctgcaaag ccacttaagt   300

tacttagaaa atgggaacat tctttgctat cagtgtccgt atgagaagaa taaatgtcaa   360

aaatattaag attgagaagc agataaggat cctacagtta taagtttaaa ttttatgcgt   420

gcataanacc tattacattg tccgctaata aaaaaattat aacatcactt t   471

acctgcngca tgcaagcttg cttgtggagc ttctatggag gctggatctt tgagctttaa   60

tgangtcctt caatggtaat ttttcaccat ggagatgcag cggaaggcaa   110

actaagctga cgtttaaaat ttaatatacg ttgccaagtg tgagtatgga tcttcatttg   60

gtaaaccatg aaacaaattg cattgtatta gctgtatcaa tgaaagtggg taagttaaat   120

tttgtgcctg aacctctggc cacgcaacac ttgagaaata ttgcggtttc gaagttcttg   180

agtaatcttc caagttcact cgtcgaggtt gctcttcaac catgacttcg gattcaaatt   240

ctgctggttg agattccccg aatgtatgtg aattataaga tgatgactca gaaaagtaag   300

cctcttccag gattggtgct attattctgt cgtgcaaaag ctttcttttt ctttctacgt   360

tgtttcttct aaaggtggct tcaatttcta aatccaatgg aaccaattca cctgcagagg   420

atctacacat gctaacacta acaggataag catttaatca a

<210>   8187
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8187

agctntgtgt tatcaattac actaatttgg taatcgatta ccagcgtttg tttctgaata   60

aatcaaaaga tgtaactctt caaagggttt ttgacttttt caaattggtt ttaagttttt   120

ctaaaggtta taacttttct aaatggtctt cttgattaga catgaaaagt ctataaaagc   180

aaggctttgt tttgcattta aattattctt tcaatcttga acacttattc aatcaatctt   240

ttagaagccc taaatctctt tgaacttctt cttcttcttt gcaccaaaag ccttctgaag   300

ttttctggtt ttctaaacct tgaacacttg tgctattcat ctttacattc tcttctccct   360

ctgccaaaaa gaattcgcca aagactaact gcctgaattc tttttgggtc tctcttc   417

<210>   8188
<211>   458
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8188

ntattcttaa ttttcttgaa cttgataatt gggaatttgc tttatttntg acaatacact   60

ntcccattcg tcaatcctcc taccatgtaa gtaagatcca agaacttcaa gagctagtag   120

tagtcctcca caataagcaa ctacatttct tgcaagttca ttgaagtctt cttttggatt   180

tggttctcca aaagcgtgaa aacaaaaaag ctcaagagac tcattttcgt ccatttcctc   240

catttcataa acataatcaa ctntaaatag gttcagtaca cctgcatctc ttgttgtaat   300

gattattaca gatccttgac cgaaccattc acaatttcca cataaatctt ctaattggcg   360

aatctccttc acatcatcaa gtacaatgag cacccttttt cctgaaagtc tattctctat   420

catagttggt cccatcccaa tgctatgtat cttgacct   458

<210>   8189
<211>   447

<212> DNA
<213> Glycine max

<400> 8189

```
agcttcacct tctggtcctc ctcatagttg ctgtatgaga aaacatggtc tattttcatc    60

tcccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttta   120

ataccatcaa tttggttttg tctaggaaca ccatccctct tctcctcctt tcttcttcat   180

tatgatctct attctccatt tgatccaacc tctcatggag cgcatcatct cgttgtttca   240

ttaacctctc caaatgttgc atcaaagctt gcatttggaa ttgcgaaagc cccactccat   300

cattaggatt agtacctgac atctcaaaca aacaaatcaa acgtaacaag acaattatag   360

tggctgtttg aatacctcac ccactctcaa gtgtatcaca caattatggc ttttctctaa   420

                                                                    447
tgaaacactc ttgccttta ccactct
```

<210> 8190
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8190

```
tttgagcaat tcaaatggtc ataaatagtc actcggaggt cttattcang cacataattt    60

atcgagacgc tctaaattga acaacggaag ctctcagaaa atttaaatgc tcataacttt   120

taactcggag gtccgattca tgcggataat atatcgagac gctccaaatt gaacaatgga   180

agcttttgag caattcaaat ggtcataaat agtcactcgg aggtccgatt caggcgcata   240

atttatcgag acgctctaaa ttgaacaacg gaagctctca gaaaattcaa atgctcataa   300

cttttaactc ggaggtccga ttcaggcgga taatatatcg agacgctcca aattgaacaa   360

tggaagctgt tgagcaattc atatggtcat aactattcac tcggaggtcc gattcaggcg   420

                                                                    458
cataatttat cgagacgctc gaaattgaca acggaagc
```

<210> 8191
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8191
```

```
agcttatgcg catatttcct tacaaacgtt ctcttgcaca agacattcta ttaaccaaaa    60

aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac acgtacttcc   120

aaggtgtatt tgttacttac atcacacacc tccttggcta aattcacata catgcatact   180

caaagcattt tggggtacca aaaattgcac atgtgtacat cttggtattt ctaataccta   240

tacatacaca aactatctac acaataaggt gctacatttt atgctctntt caagtttttg   300

ctacctaaag ccgcatgcaa attcaagtat atgttccttt gctgactcaa aatgtattca   360

aataacaggt atacatgttt tggtaatgta tcttctttac ataacatgca acatatttat   420

gtatata                                                             427


<210>      8192
<211>      393
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8192

aggtcctttg gctcccctat ccttttggtc cggcaaatca ctttaattcc ctggcaatca    60

tcttattcca aaaaagtaac cgattaaatc ctagatctac accttgtctt gcatttctat   120

gggttaaaat ttatagatct actcttgaat caatgatttg tgtcgattct aagttctatc   180

aattttcagt cataatattc ttgtaccaaa cctttagata taaattttct tcccaaatat   240

tgaatagaaa aaaaaacaca aaaatctaag tgtaatcact taatccatgt ngtcttagaa   300

gcatgtttag tcataataat ttgcacatta tgttctaacg tcggattgaa tttgtatttg   360

ttgattgaat ccagatacat atgtcatgta ttc                                393


<210>      8193
<211>      341
<212>      DNA
<213>      Glycine max

<400>      8193

agcttcaacc tagaggagac ggaccattcc aagtgttgga gaatatcaac gacaatgcct    60

acaagattga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat   120

ctcttttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caagaaggag   180
```

ggagtgatga agacataacc aagggcaagg accatgaagc acttgaaggt tccatgacca 240

gaggcagact taaacaagcc caacacgtta tagagacaac gctggtcatt tgtatagctg 300

ccattgatga tgattgaagg cccaagtgga gaaagatgaa t   341

<210>   8194
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8194

ctaagctgaa tagacattcg tgtgaaagta tgacatttga tttttcgaga gtttccgatg   60

tttaatttcg agcgcatcga tatattataa gcctgaatcg gacatccgtg tgaaaagtta 120

tgaccatttg aattttagag agttcccgat gttgaatttc gagtgtatcg atatattata 180

cacctgaatc ggaccttagt ggtaaaagtt atgaccatcn tgaattcacg agaagctttg 240

ttgttcaatt tcgagtgtca ctatatgtga tgcgccaaaa ttggacattc gagttaaatg 300

ttatgagcat ttgaatttct caagagcttc caatgttcaa ttctgagcgt ttcgatatgt 360

ga··tgcctg aatcggacat ccgtgtcaaa agttatg   397

<210>   8195
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8195

agcttctaaa ctntatacaa gaatgaagct ctgataccac ttgttagaca tgtggcctca   60

gatatcttaa gaaggggggt tgaattaaga tattacaaac tc·   ·ca att····· ·t 120

ctactttgat tctaatgcaa gttccaagtt cccttaaag· tgaatttc·· aatgatgatt 180

caaattaaac aatctgaatg taactgttaa gcaacaataa ataaaagagt ttaagggaag 240

agaaagtgta aacacagttt ttatacaggt tcggcaaagt ccgttgccta cgtccgatcc 300

ccaagaaagc cgcttgggag ttccactatc tcgtaatcct ttacaccttc tgaaacacac 360

aaggacatcc cttcctttgt gttcagatgc tttacaacaa gagactctca gtctcttagc 420

cctttgatca gaaagagagg aagaagaaat gatctt   456

<210> 8196
<211> 462
<212> DNA
<213> Glycine max

<400> 8196

```
gtcttatttc agcagatgaa gatgaatcca tggccacatc atggactcct ctaaggacaa      60

tagcatcatt tcttgcactg aattgttggg agttggaagc catcttctca atcagattcc     120

tagcctcaac aggagtcata tcaccaagag ctccaccact ggcagcatca atcatactcc     180

tctccaggtt gctaagtccc tcatagaaat attgcagaag gagttgctca gaaatctggt     240

ggtgaggaca gcttgcacac aatttcttga atctttccca ttactcatac aagctctctc     300

cactaagttt ccagatgcct gaaatgtctt ttctgatggc agtggtccta gatgcaagga     360

agaatttctc caagaacaca ctcttaaggt catcccagct ggaaatggac ctcagagcaa     420

ggtagtacaa ccaatccttc gccactccct ccagagtata aa                       462
```


<210> 8197
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8197

```
agcttactct aggatcataa naaatgaatg atataagaat ttgagtgaga gagataacaa      60

tcaacactcg ggaatataaa acatcagtat ttattattca tctttattgt ttacacataa     120

caaacatcaa actacacaat aactaacaac aaattttcta taatagaaat tctaattgaa     180

ttaactgcct acaagcctaa gtatatacct aagttactct tatacaacaa ttttccacct     240

taactnggtt taacacactt aatactaaca aagactcaac tctgtgtccc ttcaaggcaa     300

acaaccaata tcttatctaa acaatactta aacttgctcc ttggtaaaac ttagttagca     360

tattaccaag attcttcttt gtagctatct tctcattttg atcgaagccc ttgtaatcat     420

at                                                                    422
```


<210> 8198
<211> 452
<212> DNA
<213> Glycine max
```

<223>   unsure at all n locations
<400>   8198

tctaccctgg atcgaatggt cacataacac ctcttgtaac gtctgcacag gcacaactcc   60

ttatgaggtg acgtttggaa gaaagccatt taactttcca gagtatatca aaggaacatc   120

taacatcgaa gcattgaatg cttattgact gacaaagatg ccactttcca aacgattcgc   180

aaaaagcttc ttaaagcaca ggaagctatg aaaaagtagg ccgatagcaa gaggcgcaac   240

aggcaatacc agataggtga ttgggtcttg ctccggcttc gtcctctcca ccagacatca   300

gccaaagggc ctcaaatagc ttctggtaaa ctcgcaaaac gattctatgg acccttccag   360

gtaatagatc gcattggcat tatggcctac aaactgaaat tgccggagac agctaanatc   420

caccctgtgt tccattgctc taaacttaaa cc   452

<210>   8199
<211>   361
<212>   DNA
<213>   Glycine max

<400>   8199

agcttataat ggtaaaacta ttgaatatat atatggatat taataattat cttatatatt   60

ttaaacatat aaactaacat atataaaaaa ctaaaaataa ttgataaata tattataaaa   120

aatataatat agaaaattat aaattataaa ctcaacaccg gtgcatggca cggggtatta   180

tgatagtaaa ttaaatatga atggttgaat ttggtttcac cctaagagac gccatgtcaa   240

tggttataat tttttttctt ctcttttttcc ttcattaata taaattagct tatttgtata   300

aaaataaaca ataattagaa atataaatcg cataacaata taaaaatttt atatcataac   360

a   361

<210>   8200
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8200

tgtaacttat actggcttat gcgtgatatg tgtgctaaca ctgaagttac agagcctcgt   60

agttgcacta actgtcattg gtaacctaca cattcttttg tttgcaggtg acaggttgta   120

3488

```
ccatcttgtg tgaggctcat gaaacaagcc aatgtaatcc cattgaagaa aacactaaag    180

aaattcatat atgggaaatc aacagcggca aggtatact  ctangaggat tttcaggctt    240

ctagcaagga ccttatagtc aacaaggata gtggaggtca caccctagca atcagttcaa    300

caaagatcag ggtggacttt cgaatangcc aatccaacaa gggcctaaca tctttagagg    360

actactaagc tggaagagac ttttgactca gttat                              395
```

```
<210>      8201
<211>      420
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8201
```

```
agcttgcact ntntgagtgg aataatctct catataaagt tattgtgggt ggagcataaa     60

gttccatttg atggaacatt gttttaacca aaaaaattgc aacacgcatg aaagcatctt    120

catcttgaat cttgatataa cagataaggc ttaaattatg ttgtctttct tatttattcg    180

gataacttat agatngaaag catatattaa cacatgatga aaccgtcttc ttctttaggg    240

tgttcgtggt tttgatcaaa ttcattatcc tacaaatcga ttcatttaat aaagctaatt    300

tcttataata aactttggtg cagtcggttt gatttgctac ttcgactgat ctccattaac    360

aattatgtag ttagtcaaaa tcatttcatt taaatcgcat actttagata gttgaaaatc    420
```

```
<210>      8202
<211>      411
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8202
```

```
agaagtagta tatttcacct tcaaaccaat tcaatcaact atcaaatatg anattacaac     60

acataaaggc gccaatgaac cgaatagcac tcaaaaaaga gtacatcgca tgctaaacgt    120

gacttacagg aaacgcatta tagaccatgt gatgctcaat atcaagcagc tccccagtct    180

ccaaacacga aggtctgtga actggaaagc tagtttttgag aaactgttcc aatcgatgcg    240

catcgatgtt tgatctgtag cctccgtctc actaaaacca atcagaacca cgttcacttc    300

aagcggaact cgaaacggga cctacacgaa ccacagacta aagcattcac acttaatata    360
```

acacatcaat taattggata gcgaatgtga atttgatttt tgtggtgacc a   411

<210>   8203
<211>   448
<212>   DNA
<213>   Glycine max

<400>   8203

agcttagaaa gacaatactt cattcatgac atcaaataaa ctttaaagtc atccgcaata   60

ttcaaataaa acatatatga attattggaa aagataaaac acaatgccaa atgtgagtgc   120

ataccactag tcatatatca ttaaagtaat taagtttaag acacataatc atgaacaacc   180

tagagcacgt caatataatc ataatgttca gtcatactaa gcaagtgtta aaagaaatac   240

taagtattca aatgtcataa aaacatagtc aaagacaagg cttaaaaaca aaatataatt   300

ataatctaaa tatattatca gagaatctaa gcttaggttt aagtaacaaa aattagttat   360

gaacacatac atggtgactc attacttatc ttgattaatt aaccactaga ttttaagtat   420

                                                                      448
gatataacaa tcatgaacac atatcata

<210>   8204
<211>   462
<212>   DNA
<213>   Glycine max

<400>   8204

gtcaattcat tcttctttag ttcgctgtca ttcttcatct cgtttacttc tagtattctt   60

ttcttccgct tttacaagct ttcaaccatt tatttaagcc gttctcttgt ttaataattg   120

ataaaatgaa tttcaaccga tcatttgtgt tgcaatctcg tttaatcact gttaaaataa   180

aatccaaccg atcgtttgta ctgtaacctc agttaaatca aaaaactgta aaataatgat   240

aaaataatca aaatatcttt gaaaaaataa taataaaata ataaaaaaat caattagaca   300

ttttactttg aaagtttcct ttaaatgagt tgataataac caagtgaaac taaggctaaa   360

atcaactcac aaaccaagct ttgcccgcaa aaatcacttg aagttgtttt aaggtccaac   420

                                                                      462
accttaaacg atcacgaaga actacatatg tctgagttcc tc

<210>   8205
<211>   459

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8205

agcttatctt aacacanaaa tggcatgcta atctcctccg attagaacga actcatgcac   60

acgtttaatg taacacattt atgcacaggg gtatgtgtaa aatatcctac tatttatgtc   120

aatgtacaag gacatccaac acattctagt taccatacat atatatgtat tttttaaaag   180

aacacacatt ctcatgctca aggcactgcg tcaaaattca cacctaatca catcctaaat   240

attttgctat cacaaactac ctacacatat ttgaagcaca tatcataaga ctttcattgg   300

ttcactcaca tttatttata tgcatattgg aaagctaatt acgtcatgca catacttgca   360

tttaanaagg ggaatccatg ccatcataca ttcatttagg aagcgacctc aatattcatt   420

                                                                      459
tangaagata ctcattcaca ctntgcaagg aatttcatg

<210>   8206
<211>   350
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8206

tctaggcctt atctcgctgc tttatctacc tgtaacttac tatatgtatg atattttcaa   60

aaccgagtat gtacatcggt cttaaaacga gtacgactac tagtttccaa acgtgtatat   120

caaacgtaca tcgttttcaa aatcgagtag catacgtaca tcgttttaaa actgtgtgtt   180

tcagaatttt ttaatattgc tctgtttttac aaaanaccaa aattaacctt gtaaattaaa   240

tcagacacac agacacaaca tatatcatct gcatttgctt caagaggtnt agcagaaact   300

                                                                      350
agctagtaac tattaatgaa aaaatcaatg atactatgat actatcacaa

<210>   8207
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8207

agctngaaga tgcaatgcng tgaatttaga agggagaggt tgcaaganaa cttttgaaat   60

atttggagta agtgtaagtg taacggctgt tacactttac ttatccattt ttcgaccaac   120

tcgcttcgcg agtcaaccca ctaagcgaga gagagacgtt tggcttctcg ccttctttct   180

tggtgggccg acatgctggg cccaatttca aattcaaaca ttttatttga actatgctta   240

gcgcaaagta gcacactaag cgagtgtgca gataaggaat cctgcaactc tcgctaagcc   300

gggctcaagg ccgacttagc gaatatactg catcttgcat acagaggggg tat   353

<210>   8208
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8208

tgtaggatta tggggtaccc atcacatgtg gtactaggtg gctgtcgggc gatggtgcac   60

aacaagtttt ccacatccac aatgcgcgca taaacccacc atccctgtt gcccacctcc   120

aactgagctc acgtactccc acgtagccca tatcctcgtt tctctcaata ccgggtcccc   180

atcaatcctc ccaagcttcc acaacatcca agaaaaacaa cattcaaaca gcacaagcta   240

tcacagccaa gcaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaatcac   300

agcttttctc acttaaagac cccagtaaca attccttcgt tccagttcat taaccgttgg   360

atcgactcga aaattntact ggaagtcttt agtacataag cccacanttt tgaccgtggg   420

atctactaga aaacgtccag aactcactct acattactc   459

<210>   8209
<211>   450
<212>   DNA
<213>   Glycine max

<400>   8209

aaactaagct cttaagcgcg ggtctgggag acaaaggtca agtgttcgcg atatgcgatt   60

atgatgttcc gagtactttg gatttggtac gaccatgccc tcctgatttc cagctgggaa   120

attggcgagt ggaagaacgc cccggcattt acgcaacgag cataatgtca acctttacgg   180

ctttaaaagc tctatagttg ggcctaggct ttagagtttt tccttttgtt aaggctatgt   240

gtctttttgat tttgaattta taatacaagg atctttcttc atctgttcct acgtctctac   300

ccattctcat tcatttgcat gtttacttca ttttctgaaa cgacagatcc gatgacgagt   360

3492

cccccgaacg tactaatacc tgtgacccga ctatctactt tcggcaagaa atgaatcaaa 420

cggaagatga aggaaacgag gatgtgggac   450

<210>   8210
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8210

agcttcaaga aaaagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat   60

agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120

atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180

acagtagaaa gaagttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300

aacataataa catctgccct aggaatggat gaatatttca gagtttcaaa ttgcaagagt 360

gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacagat gttaaaagat 420

ctangataaa tgcactaact catgagta   448

<210>   8211
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8211

ntggaagcaa tcttgtattg gtgcttcctt catcattcct gtttatgcct tcagcaacca   60

agtcaaacag tagggggggcc aaaggatccc tttgtctcaa acctctttga ggcttaaatt 120

cagaggttgg gcttccattc actagaatag atatagaggc tgatgtgagg caccccttat 180

tccatccaat ccatatatca tggaaccccca ttcttctcat catataaaan aggaattgtc 240

aagacattga atcataggct ttttcgaaat ccactttata aagacacacc cacacacaca 300

cacacacatt tcctctcaac taccttattt gcaaccagaa caccatggag ctactgtcta 360

cccttcacac agacacaccc acacacacac acattcacgt tgggacacac ccactcatac 420

tcacacacac acactcactc ggacacacac gcaca   455

3493

<210> 8212
<211> 127
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8212

agcttgtgtt tttaagggta tacgattata ggctcancaa atttatagat ataatgactg   60

cctacacgaa ctgtatcgtg gggggtatga actgctcgac ttgaaactta tggaagagaa   120

127

gagcaag

<210> 8213
<211> 169
<212> DNA
<213> Glycine max

<400> 8213

gcccctaaa acaaacactt tcttcctgga ttgacctcta tcataccctc cttcttagga   60

agaattcgcc ctcgaattga agtcaaaggt gcctacctca caaagaatca agtcagtaac   120

169

atttaaagtg gcgctcactc cctcaacgag agggtaagcg atcttatat   169

<210> 8214
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8214

agcttatata cccctgtcta atgattatga agtaagttct aacttttacc atgcaagaaa   60

aacaaaagaa cataattaaa actgggttgc ctcccaagaa gcacttcttt aacgtcatta   120

gcttgacgct tttacctcaa cgggtgatat ccaccttgtc ctttaacttc aggacctcct   180

taccaccctc catcacttgc aagcagacat tctgatctaa cataggcttg tcttcttcaa   240

atagatcaaa attgatcttc tgatcttcaa aacccatttc caatgtcttt cttcctatgt   300

325

caactacaca gctngtagtt aacat   325

<210> 8215
<211> 445

3494

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8215

tggtttgtga gttgattnta gccttagttt cacttggtta ttatcaactc atttaaagga   60

aactttcaaa gtaaaatgtc taattgattt ttttattatt ttattattat tttttcaaag   120

atattttgat tattttatca ttattttaca gtttttttgat ttaactgagg ttacagtaca   180

aacgatcggt tggattttat tttaacagtg attaaacgag attgcaacac aaatgatcgg   240

ttgaaattca ttttatcaat tattaaacaa gagaacggct taaataaatg gttgaaagct   300

tgtaaaagcg gaagaaaaga atactggaag taaacgagat gaagaatgaa agcgaacaaa   360

agaagaatga attgaaagct tcagattcaa aaacttaccg gtcgaagacc gaagaacgaa   420

                                                                   445
cgaagaacgg cgaagaatct tcacg

<210>   8216
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8216

agcttgcctt gccccttgat atatttaagg gactcatgga cactatgaat gaaaaattcc   60

ttgggataaa ggtagtgttg tcatgtattc aaagcccgca ctaaggcata caactcctta   120

tcataagttg aatagttaag ggtacaacca cttatctttt cactaaaata agcaattgga   180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca   240

atagattttt gaaagtttgg caacgcacgt atggggggcat tacttagctt ttgcttaaga   300

acattgaaag cttcttcttg tttctctccc cattcgaaac caacatttct cttgagcact   360

tcatttagag gtgctgccaa tgtgctataa ttcttcacaa atcgttataa aaacttgctn   420

                                                                   435
accatgaaac tctca

<210>   8217
<211>   400
<212>   DNA
<213>   Glycine max

<400>   8217

tggctcaatc ttcatccttt tctttaaaat tacagttaag tcaaggaatt ataaacaatc   60

ttagtcaaaa tttcctatta attgaaccta tattatacaa ctatcatcga tttttcagaa   120

actgatgtta aacataattg gttaacatcg gcttttacaa aaaatcaatc ctaaccaact   180

catgttaaca ttgaattttg gaaaaattaa ccgcgtattg gcttatttat aataattttt   240

acgctttatc caattcactc atctccctca tgcttcgtct tcctcacgct tctggcaacc   300

tcgaaccctt tgtcactctc aaactcactc tcgcggcgct gaaaccacta tcatcactgt   360

                                                                    400
cgctcatgat catctaggtc ttagtgtcac ttctcgctct

<210>   8218
<211>   316
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8218

agcttcttat cgaaggcaat tcttggtggt gaatctcctt cttccttggc ttattcccta   60

gtggatggtg cctcccctct cctcttctcc ttttccttcc gctgcttctc catggngaaa   120

aatcaccatt gaaggacctc attgaagctc aatgatccag cctccattga agctccacaa   180

gcaagcttcc atcacccttc ttcattctcc ttcttcatct ttctaaacct tcattcttta   240

atcctaactt gaacaccatt gtatcatctt cattttccat ccaaacacat tcaaactttg   300

                                                                    316
aaccaaatac cttaca

<210>   8219
<211>   456
<212>   DNA
<213>   Glycine max

<400>   8219

cttgacttga gtcatcaaga gattataaat atgtgaccat ggcatgagtt tcaacaataa   60

ttatcatcat caatcatcta tctttcaatc ttctctcaac atcattcaat atctttcaat   120

tctttctaca gaattttctg attctttttc tcttcatctt tctaaaagtt ttttatcgac   180

acttttctt caaagaaaag ttctttgttc aaaaacttgt gttattcatc tttttcattc   240

tcttctttct ttgccaaaag aacgaaggac taaccgcctg aattcttttg tatctctctt   300

ctcccttttc caaaagaacg aaggactaac cgcctggaat tctttgtgtc tctctttccc 360

ctttcaaaag attcaaatga ctaaccgcct gagaattctt ttgattcttc ccttcccctt 420

aagtaaaaca tttcaaagga ctaaccacct gagata 456

<210>   8220
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8220

agctntatgn gatgtaaaga cctgcaactt ctctattgat catgctggag aaggaaatga   60

agtgcaacta agtgagctag atgagatccg tttacaagcc tatgagaatt ccaaattcta 120

caaggagaag accaagaagt tccatgaaaa cttgatagct aaaaaggact ntgtggttgg 180

acagaaagtt ttattgtata actctaggct cggactcaag agtggtaagt tgaggtcaaa 240

gtggattggt ccttttgtgg tggctaatgt ttttccttat ggtacagttg agatcaaaag 300

tgaatccaca tataagagtt ncaaggtcaa tggacaccgg ctgaaaccat tcctcataaa 360

tcccttctta gcggatgtag tggtggagga gaccctctta cttcacccta cttctcttcc 420

gccatgactt 430

<210>   8221
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8221

acttagaaac taagcttanc atttttcctc tcagaagtca accaccactc gattcttcta   60

cgcaccgcat gatatgcgta agtcttgtgt ttggaaatca ttttgttcag gtccattgaa 120

aattcattta ctcaaatatt ttcaattatt caataacttg gcttgttcgc ttaacttatt 180

attgtcattt cacttacaac aggtttatct caaagatcat tgtcccttac cgcctatggc 240

attgatgtgg tcaagcaatt catatcctta ggcaaaacag tgtccaacta catacgtagg 300

tagaatgcag tagtacttaa gcctaatgac aattaaaaca acgcatgtag acctaaacaa 360

acactgaagc tgtaacattt atgtacctat atttacgatt agatttgtct tgatgtaaca 420

cgtcagtatt gaaacactaa tgaattgttg caagaacaaa tcgatgagct ggtccatt   478

<210>   8222
<211>   471
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8222

taagtcacct gcggcatgca agcttctcag aaaagtcaca accaacctga atcataaact   60

cttttatctg ttaaaatgag aacacacaca ttatttaaat ttaaataaaa agcaaatgaa   120

tcacaaaata gtaactaata atttttcttt tgatatagaa agaantttta gctttgaaga   180

gatgcccatc ctaagcataa agtattataa gagcaaatgg tttactatca agtcaaagaa   240

ttgtagtacc acttacccat gtgatagctt ttagcctagt aaattcatta ggagaacttg   300

ccctctatac taggatttca gccatgcgac cataatctac agacttcaag agtagcactg   360

ttcgagtaag aaaatgataa atgaacaaaa aactttgctt ttgtgtcaaa gtagtagttg   420

aaaatgaagc acaactccat taatcaatac aagcacacgc taacacatat a   471

<210>   8223
<211>   267
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8223

ctaagctttg annataattt gcttcaatag ggatacacaa ttttcatgtt gatgactatc   60

tacgaaaaga ccaaagctac aaccaatgtg ataaattaat taggtgatgg aaaaccctct   120

agtgcaccgg aatccccatg cacagtcaga gaaaaacctc aagtacaagg aattacttaa   180

attatgaaaa aaaaaccacc acaatatgaa aaaagtgtag cctaaagaaa aacaatgtaa   240

acaccaacta atgcctccta ccccctg   267

<210>   8224
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8224

```
atgagtcccc ctatatttca aaattcacta agtctccata ggagagacta gaaccatggt    60

ctttagagtg agtagcacac ttctttacca atacatccac atgaccattt agatatttgg   120

tgcaaaatat agtattatta taagttttat gcgaaaataa ttcaaaattc aaactttatt   180

ctttttttaat ttattatatt tntataatct tatatattgg cctttaaaat ataatatata  240

agattaaatt ctattgtcgc ataaattaga atatgtatag ttatataagc tttatttta   300

ttctatatat tatattttta taatcttatg gtattttatt acgctcatca aaactttatt   360

tagatagtaa agatatagta taacatttat cttaaactta taatttttat ataaaatat   419
```

```
<210>        8225
<211>        466
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8225
```

```
tccatcattt ggctatgcat ccaattcaaa tagcaaataa atataatata ataatcaaga    60

aaaaagaata aaattatttc ataatagaaa attcaatgca caatcgagac tcatctaaaa   120

tcacagtcat caccatcctt catgttcatc atagaactcc atcatcaact caaactaaaa   180

gaaaaaggt ttcaccaaat ttaggaattt taaaaatcaa tagaaataaa aagtaaatta    240

acaatccatt gtgccattat atataatttg tggttaattc aaggattagt tagacttagt   300

aatatagtat aatgcataac cataacttaa aagaatgatg cctcagaagt ttaaaaaata   360

aataaaataa agaataatga tggtagattg aagattttc cttaaatgga gtttagctnt   420

gcaagaacat gaaagagcaa cttgtgtctc ctgctagtat gcaaat                  466
```

```
<210>        8226
<211>        338
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8226
```

```
agcttatgaa caagaaagca aatataatga gcattatgat cttaacaaga ttctatctta    60

ttcattgagc aaaaggaact tatataccga ttgagaatag atgcagaaac taacacaaag   120

gcagttacca agtttggtac caatctatta aggttcaaaa tgaattcggc gggaaaggta   180
```

gttttctgtt agcttgcttc cctcgagctt agtggattca gatacgataa taataggctc   240

gggttccttg agacagctng attaagagcc cccttaagc taggaataga tgttcatcat   300

ttccagcttg gaacatcatg aattgaatga agctggct   338

<210>   8227
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8227

gtcttgagat cccaacttac actgactcgt gatttanagc aattaatagt atattagata   60

agtgatgaat tcaggtccta tctgttntaa aaaactattn taaaataagt gatatatttg   120

actctttaat gtaatattaa tatatttttt attaatatct ctaataaata ttgctttagt   180

ttttaaatct aatattaata ttattttctt ttatcaatct aataagatta attttctaaa   240

attatcattc gattctatct atttattagt tctaattaat ctgtctaaaa taaaataaaa   300

cgacacttat tttgaaatga aaaaaagtaa tatagaatct atttaacaat aaatctaaat   360

taaataaatc ttatcctcaa agtcaatttt ttaaagggaa aattaaatat tgtaacatat   420

                                                                     433
agtaaaagca cta

<210>   8228
<211>   354
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8228

agcttataga gtagtagatc ataaatggaa taataattta aataggtgaa ttaatatatt   60

tttaattgaa atagattaaa atagtacata tttattggaa tacacaaata atacataaaa   120

tttattaata aaaaaatcat tatttttatta aaaaaaatat tttattgaaa atataaaatt   180

taaaaaagaa tgcattggac tattntaatc aacataaaaa ttttgaaaat gaaaaaattc   240

aatttctcta tgcaaaaaca aaattgtaaa aataaatttt tttttttctt caaacacaga   300

attttaaaaa aaattaaact ataaaatata aaatttaaa tttttaaatt ttta   354

<210>   8229
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8229

ggtcgtaggc tactgggaaa ttccatacgt ttgcaccatt gtttattctc tcttgctgcc   60

ccaccactag ccgtagatcc tcatttaaaa cctttgaaga tgaacattaa aacacaccaa   120

ttaacagatg ttggagaaga caaagatgtc atttatttaa ggacaaaact tgcataattt   180

gtttttcat gttcttgtta ttagcttctc aaattaaatg atgacatgtg gattttcttt   240

tttgcaacat attgctatcc acataccata atttgagttg agaacttgat agtaaaagca   300

aaatgagaac atgatcacat ttgtaaagtt ttgtctttta tttaactact aataaataac   360

caatactaaa aattcaaatc atattgaatt atatgcagan atatgtttgg ntnttaagat   420

tatctgctgg cgttatgtat cctctgcaag ttta   454

<210>   8230
<211>   447
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8230

agcttgtang aatatggngt acccattaca tgttgtacta ngtggcggtc gggcgatggt   60

gcacaacaag tttttcacat tcacaatgcg cgcataaacc caccatcccc tgttgcccac   120

ctccatctga gctcacgtac tcccacgtag cccatattct tcgttttctc aacaccgggt   180

tcccatcaat cctcccaagc ttccacaaca tccaagcgaa acaacattca aacagcacaa   240

gctatcacag tcaagcaaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa   300

ttatagcttt tctcacttaa agaccccagt aacaattcct tcgatccaat tcgttaaccg   360

ttggattgga ctccaaaatt tactggaagt ctatagtaca gaagcctaca ttgtgaccgt   420

tgggatctac taacaaacat ccataac   447

<210>   8231
<211>   458
<212>   DNA
<213>   Glycine max

3501

<400> 8231

```
ctttcgattc attctatgca cacatggtgg tccactttgt attttgtgta tttctattct    60

tgtttcattc gctatgttat accccctctt gacgtgctta agccatttta cttaagtcat   120

tcctcgctca acttaagaat aaaatatatt gtcaccggaa cgtttgaatt gtatgatccc   180

gtaactccgg ttaaaatgaa tttcaaccgt tcggtcgtgc cgtagccacg ttggaaatct   240

gaaagaggta aaaaaacata ttttcatcat aaaacatctt ttagcaaaat aaaacggaaa   300

atcaatcgga cgtttтctct ttgggatttc tcattcttaa tcgaattgat taaataacta   360

aagtgaaact aaggctaaaa tcaactcgcc tagtcaagct cgttcataat aataggctta   420

tgaagtttgt cattcaattt ctcactaagt aaaatgga                           458
```

<210>   8232
<211>   444
<212>   DNA
<213>   Glycine max

<400>   8232

```
agcttccaca caccccttcgt ttctagaata gtggacttat tttaatatgt cgagatatat    60

agcatatgtt tttacaattt gtatttagtt tttattaagc aaaaaattac tcgagtaaaa   120

cagaaaagtg cattcctctc tatataatag tagtactggt gcttgaaggt ggtgaaaaaa   180

gatggaaatg ggagatttgg aatattaatt ggtggggtat taagaagaat ggctgtggcg   240

gagttgttgg gaatgcagat atagagggaa aaatgcagtg tccatgcttg agaatgaaat   300

agcaatgaac aaaaccaaaa tgatgcaact gtgagaggag tgagaggcca tgcctgcttc   360

aattgtaact tcaatttcaa ttttctgtag aggaattaag tgtgcatatt ccgatacgag   420

tggctgcctt tatagacaat gaca                                         444
```

<210>   8233
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8233

```
ntagctggag ggggagtgtg ttataacagt ctttnttagt gttgtcataa caccttcatg    60
```

```
gtatgcttga gtttgtttga actcaggttc tgcttcaaca tttgctaggg agaagcaatg  120

ataagtctag tcatagcagc tctaatacca tgcagcttaa gagaagaaac gataattctt  180

attgcattag ttagttcaag ttataaagta tgataaatag gaaaagttta ttagaaatct  240

gattacaatt canattaata tattaaaaca aaaaataagg gtaagagcag atgaatctga  300

ttatatcctt gcccagttta gtttgccaaa gaacacagtc atgaaggtat aagcttttcc  360

ttcttttgtt gctttattct tacaactcta tgcattaaat aagttgctta agtcatgaca  420

tgcatgttta gtactatctc catgtctata tataaattag                        460
```

<210>   8234
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8234

```
atcactntgg ctatgcatcc aatccaaata gcaaacaaat atatatttt cgtctagaaa   60

aaagaataaa atcatttcat caaagaaaat tcaatgcaca atcgagactc atctaaaatc  120

acagtcatca ccatcctcca tgttcatcat agaactccat catcaactca cactaaaaga  180

caaaaggttt caccaaattt aggaactcta aaaatcaaca gacataaaaa gcacattaac  240

aatccattgc gccattatat ataatccgtg gcaactcaag gatcagttac acttagcaac  300

atagaataat gcataaccat aacttaccag aatgatgcct cacaagtcta acaaacaaat  360

caaatcaaga ataatgacgt gagagtgaag attttctctt aaagga                 406
```

<210>   8235
<211>   306
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8235

```
agcttgtagg gttaaagtct cacgattgtc atgtgttgat gtaacatctt gccaaacaaa   60

gtcaggttag ccataactcg cctgtgcttt ttcttccatg ccatatatag caaagtcgtt  120

gatcctgtca agtatgatga gctggaaaat gaggccgaaa ttatactatg ccagttggag  180

atgtatttt cccctgctnt ctttgacatc atgattcact tgattatgga tctggtcaga  240
```

gaaatcaaat gttgtggtcc tgtttatctg tggtggatgt acccggctga gcaatacatg   300

aagatc   306

<210>   8236
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8236

gctttctggc cnaattatat ttagtaattg caactacata aacttatact acagaatact   60

gatccacctt caaaagtcga attgatgttg taagcaatta cattcccagt agaatcttcg   120

ttcaccacag cctacaagaa caatatatgg aatgtatagt gataggttga tgagattcat   180

tcctttgaaa gaaattcaga ctgatcatag aatggcactc acattattnt gaataagttn   240

tgctctctga gcanaattaa gtgtattcaa tgtttcagca gcgcagctga aaaagtgaaa   300

cggtcaaatt taaagagagg gtccagagac aagcttgcct aacaacctca ttgactcaga   360

tctttatagt tgtacccagc acacttgttn gaccactgtg agaagtaaat tctcatgctg   420

agaaacagtc aaac   434

<210>   8237
<211>   291
<212>   DNA
<213>   Glycine max

<400>   8237

agcttaacaa acttagaaat caagtgtatc atgaattccg aaatataggg ggagtaaacg   60

aatgcacatt ttatctatat acaattgttt gttgcttgct tgaatcttga tttcaggtat   120

tgtattgtca tcatcaaaaa gggggagatt gtagatgcaa ttggctttga tgttttgatg   180

atgatcatga tgatgtgttg caattgatgc aaatgggctt tttaagatta aaattcaaga   240

caatacttca agattacaag tcataacatc aagatgatca ctagaatatt a   291

<210>   8238
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   8238

ttgagccaaa atcctgactc accatanacc ttgacccatg gtgataatgc caatccttac   60

cctcggaagc aaaaaaaaag aagagaagga aaatttccaa tcaaaggaaa aaggagaagg   120

aaaatttcca atcaaaggaa aggaaattcc caatcaaaga gtgggagaaa gcaaaagaa   180

aagaaagaaa attcccaatc aaagaatggg agaagaaaa aaagagaagt taaaaagaag   240

aaagctcctg gtcaaagaaa ccagaagaaa tgtgccgaga ggtccttgga ctagacgata   300

tctgaacaat acagaattgt caccaaatga acaaagaaa gaaaaggaaa ccatgaccta   360

aaagtggtct tctccctttg attaccaacc aaaatcctgt gcgctagcga ctatttctgc   420

ccgcactaaa caaaaacaga aa   442

<210>   8239
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8239

agctttcct caagaaaagc agcntttgaa gtctcttgat gtaataaacc caagagtgac   60

aacttgttct ttcgtctctt ggccatagaa ctctcagtca agtcctctat ttttcttgct   120

agagactttg cttggctcta catgtaacaa tatctgtgag aggatccatt acacattaaa   180

aaattcaaac taaatttgtc ttctttgata ctttaaacaa aaataaataa ataaatatct   240

gtgttcatat cagtgttcct gccatgactg aataagagga tagttttat ccattactac   300

agcaaaatac tccgttaaat cattaaatgt aaacagagtg tatntatttt gagaacaatt   360

aatacacttc atctcatgta gatatatgtt caaaatgaag gtagccagtg aaaaatccac   420

tgctttaaat ctc   433

<210>   8240
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8240

ntacattact cctcatgctt ctcaccatgt ctaataaggg tttatttctt cgntctgcca   60

3505

caccattctg atccggagaa ccaggcatag tgtattgggc aacaatccca tgttcttgaa   120

gaaattttgc aaatgaacct ggtgcttgtc catcctctgt gtatctacca tagtactccc   180

cacctctatc tgatctcacg atcttaattt gttttccaca ttgtttctca acttcagcct   240

taaaaacttt aaaggcatct aaagcttcat cttagaatg aagtaagtag agatacatat   300

atcgtgaata atcatctata aaggttatga agtatttcgg actatttgca tccatgtctg   360

gacaacatat gtctgtatgt atgatttcta ataaattaga actcctcttt gcaccttctt   420

agacttgtta gtttgcttac ccttaatgca atcta   455

<210>   8241
<211>   294
<212>   DNA
<213>   Glycine max

<400>   8241

agcttctttt ggaccttgaa caagcaatca acttctcttt cagaaccatg ctatgtgctc   60

gcgactggtc cctttctttc cttcgcaact tgagttcatt attgctaccc cataaagctc   120

cgcgaaattt gttccggcca tactcttcct tgcgagccct cttggtctct tgttcaaggg   180

ctcttgcggt aattgcattc tcttcccgta acccggcgca ctccttccga acgtgtgtag   240

cagccaactt gaactttctc ttggcgagtt ttgcctttcc taactcgctt ttga   294

<210>   8242
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8242

ggctngtggn gcttctatgg aggctggatc tttgagcttc aatgatgtcc tttaatggtg   60

atttccacca tggagatgca gcggaagaca taggagaaga ggtgagagga ggcgccatcc   120

actatggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag   180

cttggagagg atgcttcaat ggaggaaaag aaagagggag ggaagagag agggaggagc   240

acgtaaattg aggaagaaaa agggagagaa gttgaacttt gagttgtgtc tcacaagact   300

ctcattcatc anagttacaa caagtgttac acatgcttct atttatagac tangtagctt   360

ccttaagaag ctntcttaag aaaactttct tgagaagctt ctttgagaaa acttccttga   420

gaagctagag cttagctaca cacacccatc ta   452

<210>   8243
<211>   346
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8243

agctnggctg cattgtgcag agttataaca ttttgattnt tcaagttctt gtctgtcgac   60

ttgtcttgag ccttgcatgt tggtttcagg gaaaattaat tatgttcatt tgaaagcagt   120

agtataagat atggtctgaa agtttgaacc ctagatgaaa ttgcttgcat tatttctttg   180

tttgataaag tttaataaaa ctattctcat agcttatttg tcagtcagtg cactttatgg   240

aaatgagagc aaaaaggatt gtgtttgatt tccccaacct gaaattccca caccactgaa   300

tgtggttcac aaccaccatt ccgtgatatt ttgcctcttt atctct   346

<210>   8244
<211>   53
<212>   DNA
<213>   Glycine max

<400>   8244

ggctgcagta ataacatacc actatcctga agaatatatc tcttggatat atc   53

<210>   8245
<211>   343
<212>   DNA
<213>   Glycine max

<400>   8245

agcttatctc acttttttct tattatcttc tcctagaagc tctggagaaa tttatccaag   60

catgcccctta gtaattattt tgctggaggt ttgcttgcta tacttggcta tatttacttt   120

tctttttttaa atgtatgatg ataatactaa tcaatgttta cggatgacag gctcacacag   180

tgcttgagat gaactatact gagcagcaat taacagcagc tgtcgttct gatggattac   240

ggcctgtcct tgctgccgat gacttgggta taccgtcaag attattatca atgattaaaa   300

aatgctggga tgcagatcct aataacagac ctgcttttga tga   343

3507

<210>   8246
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8246

cttcactaca tcaagaatca tcgggttgag tcttctttgt ggctctctta ctggtttagc   60

cncatcttct aaatttattc gatgcataca tgtggatggg ctaataccag gaatgtctgc   120

cacggtccag cctatagcct tcttatgctt cttgagaact gataacaact tctcctcttg   180

ctcatcaaca agggaggcag atataattac tggaaaactt ttgctatcat ccaagtaagc   240

atattctaca tttgatggca gaggcttcaa ttctggtgtg gatggctgga tagtggcaga   300

aagagatggt ttctcancct gtacctcata aagaaagtca gaggtattgt gtacttctga   360

cacatgcgta tttctatctg actctatana ttcaatctca agagggtaaa catcagcaga   420

catggtatca ata   433

<210>   8247
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8247

agctntgagg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc   60

atcacgatca tcgtctccct ttttgcacat gttctgtagt tgcatcctat ccggaaccat   120

atcagaatag tactgatact gcctaacaaa ggcaaccatt aggtccttcc aagagtggac   180

tcgagaaggt ttcaggttag tgtaccaggt aacagctacc ccagtaagat tttcttggaa   240

ggaatgtatc ggcagttcct catcttttgc gcatgccccc atcttccgat aatacatctt   300

tagatggttc ttggngcaag tagtcccctt gtacttgtca aagtccagca ccttgaactt   360

gtgaatgacc atgtttgggt attaagaaca actcttctag gttagcaaag gcataatctt   420

cacctccttc aatggccctg agcctttcct tt   452

<210>   8248
<211>   429
<212>   DNA

3508

gcttgtattg atacacacat actgtaatcg attaccagag aagattntca gacaatattc   60

tcaacagtca catcttttca ttgtgttctt aaatggccat caaaggctta tatatatgtg   120

acatgagaca cgaatttgct aagttttttt cagaacaaaa aggtcttatc ctcttaacaa   180

gcaaaattgt tttatcctct tacaaattcc ttggccaaaa cactcgtgat tcaataagga   240

attatttgag tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttctctt   300

cttctttatt ctgaagaggg attaagagac cgagggtctc ttgttgtaaa agaattctaa   360

acacaaagga aggattgtcc ttgtgtgttt agaacttgta aaaggaatct acaagatagt   420

ggaactctc   429

agctntaacc tcatcgtctc tcacagtctt tagatttggg atccaatcca atccttgtgt   60

tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc   120

tctgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccctcaggtt   180

gtggtcactg aaacccccgtg cgatgaaagg cgtgatgctt tcgtctgatg gcactcctct   240

catggggtag ccaagctgtc ttatggcgag gacgggatta taattaatac aaccccttgt   300

tcccatcaag agaacatttg gacatccttc gcatgaagat agaatcctga ttc   353

cttagcactt ctgtatggtt tcagggcttt ccatcagctc tgattaatct gccatatact   60

cagccggtat tacgcctcat gagctttctc atatccagct tactggattt agtttgggtg   120

```
acttcccttt tagatactta ngtgttcccc tcttatcatc gagattaaat gtatgtcatt    180

atgctccctt gcttctcaag attactggcc tgacttatgg atggagcaag aagtctttat    240

cttatgcang taagttagag ttgattagag cacctattca acgaattgtg aatntctgga    300

tggagattct ctctttgccg ccatctgttc tggaccgaat caacgcttcg tgccgtaatt    360

ttctgt                                                               366
```

<210>   8251
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8251

```
agcttcttgc gtagccgctc ttggtgctca gattatccca aaaacaaatc cctcttatta     60

ctagctattn tgaattctnt agttcctgaa tgtacaacct tcaaattgtt ataaaaagtc    120

tattacatgt cgctgtgttt tttaattgtg atttggggca accatgttat aaaaagtcta    180

ttacatgtac tgaacagtca cctacggtat gcttgatgga atataaatac tatatcttta    240

gaaatacaca tgtacatggc atccttagga cttcatccag ctgatgtttg tcgccagttt    300

catcatccac cacccttttc ttctctgcct tctcacgttt gttgttgtaa tcccatattt    360

atgccttctt cccttcatgt cttggtttat cacaactcta gccgaatgtc ctatcttcag    420

cacagttgaa tctcttgtct tattctccaa tgacacactt tgat                     464
```

<210>   8252
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8252

```
tatgttcttc taacagttat atctcttgtg aatgacctct ttgaccagac atgaagagtc     60

tataaaagca aggctctgtt ttgcattntt aatcaatctt tctaacaaca atcttgaata    120

cttttgcctt tccaatcaat cctttacaag ccttgaaatc tctttgaagt tcttcttctt    180

cttctttgta cgaagagctt tctgaagttc tctanttctc taaaccttga aaacttgcgc    240

tattcatcct ttttattctc atctaccttt gccaaacaga agttgccaag gactaatcgc    300
```

ctgaattctt tatgtgtctc tcttctctct tttacaaaag aacagaggac taaccgcctg   360

aattctttg tgtcctcctt ctcccttgtc aaagaattca caacgacaca gtct   414

<210>   8253
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8253

ttaagtcgcc tgcngctgca gctttggcaa ggaagaagaa gattataaat tttngcaaag   60

ttctctcaac agtggctcta aagaattgtt aanaagttat tgaaatgcaa gtcaaggtct   120

tgcttttata gactcttcat gtctggtcaa gataaccatt ggaagagtta taaccttgag   180

aaaaacctca aaaccattgg aagagttaca tctcttgatt nttattcaaa acttgtcact   240

gacaatcgat taccaaaacc atgtaatcga ttacacagag cattttatga aaagatgtga   300

ctcttcacaa ttgaatgtga atttcaacgt tcagatacac tggtgaccga ttaccaatac   360

a   361

<210>   8254
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8254

ctgcacaaga ctcttaatat ttgaagagta ttcttgcgga accttcaacc gatgaagaca   60

ctaacaaaaa cttatattct tctttatgga caaagtatgg caagcccggg gcaagcaaat   120

tttggtgcca tcagaccctg gatgcaactg tgatcgaatc cacatatcag ctagatcttg   180

atgggtattc aagccatcct tcgtcttgcc ttgaatgtta agaagcgtcc ccatcacact   240

gtcacataca tttttctgca catgcataac atcaatacaa tgtctaacgt ctagatcata   300

ccagtacgga agatcaaaga gnatggacct cttatttcat atgcaactct tac   353

<210>   8255
<211>   331
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8255

cacaatagag atgtagcgaa agataaggag aagaggtgtc tcacaagttt cacattcatc   60

aaagttatga caagtgctac acatgcttct atttatagcc taggtcacta actatatgag   120

agctctcttg agaatcttct ttgagaagct tccttgagaa gctagagttt agctacacac   180

cccctctaat agctaagctc accttctcga gacatttcct tgagaagctt ncttgagaag   240

ctagagctta agtacacaca ccctcttaat agttaagctc acccccatgc gacaatacat   300

gagaaatgct agctacacac atctccctaa t   331

<210>   8256
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8256

agcttggaag gaaacaccac tgtcgttgtt aattatggat ccatttggaa aaataaaacc   60

taatgtggag ttcacaactg tctgactgct tgtctctccc aagaatgcca tagttntttg   120

taagacttgg gttgatactg aaacttgtgc tttcttacaa ggttaggttg tgccatatat   180

atagatgagt tctaatatta gtgctgcatt ttttaaagat tgaaaatacg catgcacatg   240

ctttctgtat gtgttgtcaa ctacacgaat gacatgacat gctttagctt cctgacaccc   300

ccatcgttgt atctacaaaa agggaaaaaa agattattta ctcatcatac cacttcctgg   360

anaactattg aggttaaccc attcaatctc attgatccat cttgtaatgt tatcaacata   420

<210>   8257
<211>   326
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8257

gctactntat gctttcagca nagcaacttt acaaacttaa tcgctcggat gcttatatta   60

tcctgaccag tgttactatt ntaatatatg gcatatatgg aataatgaga agggtctctg   120

aaagatattn tatatacaga tgtcctacaa tcttccctaa caaactcatc cactcaatct   180

```
catattatgc aggagtacct caatgtgtgt ccattataaa atatgacggc ttatactgtc    240

attcttggta atgaatagat atgggtctac gatcaaccat acgatgacac tgatctccac    300

atctacattg gatatcatat aaatga                                          326


<210>      8258
<211>      393
<212>      DNA
<213>      Glycine max

<400>      8258

agcttatccg gcctctcatc aggagagcct tcattaagaa atactgcatg cccaggcagg     60

cacaggagca gctagctaca gatgcaccgt caccgcctct acaggagaca ccatccctgg    120

ggtctatctc tgcccacttg cagaggttag aactccagat gcaaacatac atgcaacatg    180

tgactagcca gaaggcgact aatatcaagg gccaggtgca gctaaacgag actttctacc    240

agtacattat gcaccagcag ggccaggacc ccagtccttt cccttggcct acccccgagc    300

agtttggtgc cacagtggcc ttgcctagag atgagcccaa ctttgagaca ggggcaagac    360

ctataggggc ccctagggac gacagaggag ctt                                  393


<210>      8259
<211>      408
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8259

ctggtgaata tgtccacgag ttgcatggag gatgagacag gatggagctc tacgagaccc     60

gcggtgactn tgtggcggat aatatggcaa tcgatctcga tatgcttagt gcgttcatgg    120

aaaacgggat ttgttgctat ctgaattgca gactggttgt cacaatacaa ggtggctggc    180

tgaatgaatg ctacaccaat gtcttggaga atatatgtta gccattgcag ctcacaggta    240

gtagatgcga gagcttgata ctcgacttcg gaggagctgc gggagacagc ggactgcttc    300

tttgactgcc accaaatgag tgaagaaccc agatagacaa ggaaccctgt agtggatgtt    360

tgagaatctt tacatcccgc ccaatctgaa tcactgaaag ctcgaagt                 408


<210>      8260
<211>      435
```

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8260

agcttggatc agccatggcc tacagttaat gtcaatccag ccactgggag aggatcaacc   60

cctcataaag agaagtttca tagttatctg ggagttgtag cacgagagaa aattcctatt 120

gtccactcca attggaatgt tgtaccagaa actttaaaga atcttatatg ggatgacatt 180

tttgtaagtc cttatttaag ttgacatttg tatatgattt catataataa ttgcaaaaat 240

attatatttg actaattgtt actgaacaat tttgttttgg agggcaaatt tgacatcccc 300

gagggtggca atgcgaacaa gaaggtgatg tcaatggtcg ctactcgatg agggcaattt 360

aagtccttcc tgacaacaaa atatgtttat gctaatagtc anggtcaagc anaagatgat 420

                                                                   435
ccttctatta agtat

<210>   8261
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8261

tattcctttc tcatgataag ggatattcta tattacttgg ttgatatgga ccaaccttga   60

gataaacacg tcgtatttca tctctttgat caaaaggaaa ctcccacatc attgaacgca 120

atccaggatc ttgctctata ttaataacat ccatatcttc tacttcaatt cttctacatt 180

ttaaaggttg tacttcatca aattaaatta acaatcttgt gtgacatttg aagcttgtgg 240

aatacgaata agctgagatg aatcaataat attattgttg tctttcttct ttaagaatga 300

acaaagagtt ttttgagttg acatcttcaa caatacacct gtagtatatt tcttttacaa 360

acaaataaac atacaaaata aaagtaanat aataatatat taagttaaga t   411

<210>   8262
<211>   556
<212>   DNA   °
<213>   Glycine max

<223>   unsure at all n locations
<400>   8262

cgcgcatgac ccctggttga cgcgttgata ccctgcattc cgcgcacata gatacttcgc   60

cgggtagatg tatcacgcgt tgaagactgt agatacacaa gatcgaacga ggaatctttg   120

aagaactgtc gagaatctac gcgtccttac ttgacgaaca cgttacggaa acgttacaga   180

agcgtctcgg gttggattnt attgaccgag ataattttc tcagcacatt ctcatgagag   240

agaagtgcct aaggggctga acgctattct tcatcacttc ttcccctatn tatagcaaaa   300

taagggagaa gcttgccgac catctcgtcc aggcgagcaa tggtgatctc tccataagaa   360

caaccttctg gaggaatctt atggagggcc ccagtggaca tggatgctat atacacaccc   420

cttctactaa atgcacgcct tattatctgt ctgcatattt gttgccgaac gtacagactt   480

actaattacg acgatactgc tttctgttcc ggcggtacga atcctacgga ttgtgattac   540

tcgcttgctt aagacg   556

<210>   8263
<211>   338
<212>   DNA
<213>   Glycine max

<400>   8263

agctggcaag taccttagat aggggttaat taatataaca gcaggcctcc agaaaatatg   60

gatcattaat tcgataatat ggatgatgta aattattagt tctcctgcag aagtgaaaac   120

atactcactg cttcacaata caactttttt tctacaacgg atccacctgt cttttctccc   180

ttgtgttaaa atgaatgtga ctatgggtga ccatcaaata ttccttattt ttatccccaa   240

tacatagatc aataaaggcc agactcaacc ttatacaaat aaaagtccca ataattctta   300

agacataatt tgtatatagc atgccaagga catgacac   338

<210>   8264
<211>   414
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8264

gactatatca aactcattga tgtatgccgt actacaatta tgtgcaacac aacagacatg   60

gatgatgtga acaggaacga gacattcaac gtgctggcag aagattaaac tacctgaaca   120

tgcattgcta atcttctgtc tacacttctt tcataattct gctaagatcc tttatgcact   180

3515

gctgggtttc tacaacacat ataagaggcc aatttccctc cattcaagtg tgttaattga   240

accacaaggt tcacaactag tgcctctctt tcttcatacc tgtaatgcga gattntccat   300

ctttcattgt cttatcatca cagggtaact gaactcgctg tgatttcatc ttaattgatt   360

taaccaacga tgataattca tatatatctt tcgttgactt cagagcatct aatc   414

<210>   8265
<211>   126
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8265

agcttctata taagctgaac catnttatca atattcacat gttgagtttt actcagaaac   60

acagagttta tctctgtatt tttaggagag tgatactcct acattctttta ttgattctag   120

aacacc   126

<210>   8266
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8266

actcctacat ctcatctgta gcatgcattt tctttctttta cccactcctc acgnttggtt   60

ttttatggaa aaacaccata actaaacgcg ccgcaaggga tccctatcgc accagatcca   120

aatctagaac gatgggtgat caagaggaga cacaggaaca gatgaaagcc gacatgtcag   180

ctctgaaaga acaaatggcc tccatgatgg aggccatgtt atgtatgaag canatcatgg   240

agaagaacgc ggncaccgcc gccgctgtca gttcggctgc cgaagcagac ccgactctct   300

tggaactacg caccagcctc tctcanacat agtaggacgg ggaagggaca cactgnggca   360

cgatggcagt cctcacctgg gatacaaccg agcggcttac ccttatgga   409

<210>   8267
<211>   402
<212>   DNA
<213>   Glycine max

<400>   8267

tggctgtttt ccaaggctac acgagaaaat aaggcttgca acactcaagt gtttctgctc 60

tcgggaaaag aagcatttct cacacaccag aagacatatc gcagatcgaa cggtcagatc 120

atggacattt gtcctatgaa cgtccagatc aaatttcgag aagatccaat ggtaaatgaa 180

tgtaggaggg cgcttttacc gagacagctc agacaacttc cttgagaagc tttctcgtga 240

ggcttccttg agaagcttct ttgagaggct tctttgagaa gctagagttt taactaccca 300

cacccctcta ataaataaac taacctccta gaaaataaaa catggataaa ataacacaac 360

agataaaatc aaacatcaat tatcattgct aataatattc ca   402

<210>   8268
<211>   473
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8268

atacaagaat gaagctctga taccacttgt tagacaagtg gtatcagata tcttaagaat 60

ggaggttgaa ttaagatatt acaaactatt tccccaatta aaattatatt tcactttcta 120

ttcaagttac aaattccctt aacaatgaac tcttaaataa taattcaaat agaacaatct 180

gaatataaat ataaaacaat aataaataaa agagtttaag ggaagagaaa gtgcaaactc 240

agatntatac tggttcggtc acaccttgt gcctacgtct agtccccaaa caacccgctt 300

gagagttcca ctatcttgta naatcctttt acaagttctg aacacataag gacanaccct 360

tctttgtatt cagaattctt ttacaacaag agaccctcgg tctcttaatc ccttagagaa 420

atagaaagaa gagaagaatg aatctctctt gacagagact agatttacaa tct   473

<210>   8269
<211>   419
<212>   DNA
<213>   Glycine max

<400>   8269

agcttcagag ggttacgtca ctcctttagc atctgtgatg tatatataat aaaagctctc 60

tcggcatact cctctgtaat gtgtgaaaaa gtaataaatg ttatattgga actatattcc 120

aaaaggaatt taattggtgg cattaagact ctccacttac attattagtt cattcaatat 180

ggggggtgatg gaaatattct tggtggtagt gatcgtgaaa gatggttgtg agattgatca   240

tggcaatacc ttcttgaact aaccagtgtt acttatcatg ggttaccaaa caactgacgt   300

tgatcatgat gacatggtga catttgtacc taacttgtac taattaacga gagttacaaa   360

acatgtgcta taattgtaat gaacggaaag gaattttct ttttcaacaa attgcaata   419

<210>   8270
<211>   434
<212>   DNA
<213>   Glycine max

<400>   8270

gtatatcgat cttgataatc ctttggccaa ggaattaatg gaagtctatg agtccatggg   60

cgacacatta tcctttcaat atgggggctc tgcatgacac catagggtaa tctctctacc   120

ttctggagtt gggactttat ggattatgaa atgtcatttg ggatcagaat ttctacacat   180

aattattata tttaagatat gcatgagttt atcttaagct taacattgaa tacagaatga   240

catcagttaa tctaaatctg acagcttatt gcttctatta cgatgtctcg aaatccaata   300

tatatatgcc attttattgt attgccaatc ttctgcactc cgcttaattt gttgaggctt   360

ggatactata tggatgcctt attacatcac atgattcttg tctaactagg tcctatactt   420

ttacaatcat aact   434

<210>   8271
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8271

agcttatgct gcanacattt acaatagacc tcctcaacct tatcagcaaa atcaaccaca   60

gcagaacaat tatgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa   120

tctcagatgg tctagccctc aacaacaaca acatcagcct gctccttcct tccaaaatgt   180

tgctggccca agcagaccat acattcctcc accaatccaa caatagcaac agccccagaa   240

acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac   300

tatgcagaac atgcagtttc aacaagagac cagagcttcc attcagagct taactaatca   360

gatgggacan atagctacac aatngaatca acaacagtcc   400

3518

<210>	8272
<211>	446
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	8272

gctccttaac tgcacaaggc tcttaatatt ngaagagtat acttgtggaa ctcttacccg   60

atgaagacac tgacaaaaac ttatcttctc ctttntggac aaagtatggc aggctgnggg   120

caagtaaatt ntcttcccat cagaccttgg atgcaactgt gatcgtatgc ccatatcagc   180

tagatcttga cgggtattca agccatcctt cgtcttgcct tgaatgttaa ggagcgtccc   240

aatcacactg tcacaaacat ttttctccac atgaataaag agtttagtcc ncattgagca   300

tttcaagaag agcatggagg gagtgtgtca caattcggtg aagcagaagc cctttcttgg   360

acaataaaga gtggaatacc canngtagtg gtcttgacta tggcaatgac ttcgtgcaat   420

gtctggagac aaacaacaaa gttcta   446

<210>	8273
<211>	357
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	8273

agcttctata taagctgaac catcttatca atttagacaa gttgagtttt atgcagagaa   60

ttagagttta tctcttttat cttagtgaga gcgattcttc taaattcttg agtgattcaa   120

gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct tgctggaaag   180

agtgaatctt tccttccttt catcatcacc cttgttcttt canaccacaa ttccagaaaa   240

tccacctctg cccagaatta tctcgtggcc ataactccca ttttacgcac tcaaattaag   300

tgattcttga gcctaaattg aatntcagaa cgagaccttt cacctgcgtt tggaatc   357

<210>	8274
<211>	440
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations

<400>   8274

catgggacca actcattnta tttcacaatg tcgtatctag ttcatgtctg atagaccgta   60

caagtttact agcgatttct aattatgtgg gtcattaagt ctatcatatg ctgacaatag   120

ctgagaagcc cgtgaatttc ttcggggggcg gagtaggtgt ctgccatcga cttggccttg   180

gctaacaatc ggagaaaggc tagactcctg ttcacggcaa gagcaaaccg atccatccac   240

atggatgcct cttggtgtac agagtcgatc acccttcctc tagcctcttt ctccgcgtat   300

acttgtgcat actcgtccgc caccctatgc tcgtgggccg tggctagacc taacacctct   360

tggtactcgg tgatgatagc tagcatgttg gtctctgtct accataaacg ctgagacaag   420

cgtctcttgg accttgaaca   440

<210>   8275
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8275

agcttctcat tntccaccac aagtttatca atgatttgtc gctgtttcat aacatagatc   60

cataataata attaataagg ctgataattg aagtgaccga accattcaaa aagttcaaaa   120

aaaagtacac tcctgtttac taaggttgag aataggtcat catttacaaa atcaattatg   180

atatgacacg ttggctacaa aatcaacagt aatcagacaa aatgaaaaat tatataccgt   240

ctgaagtagt ttgttctctg gctgcatgag tccagcctac aatatatctt tgaatcagat   300

tttcatataa tatttgatta actcgggaaa aactctcaaa aagagaaaat gagggaaaaa   360

tgtaaaanac gaatattcta tcatccacat tcatactgat tgaaaaatga agatgattta   420

<210>   8276
<211>   342
<212>   DNA
<213>   Glycine max

<400>   8276

taaggaagca gctccattga tatcatttaa tttatgcaat gcttaagccc gaataagaga   60

acttgtatca caggaaaaga tctaatccaa gtcgaattag ggatcatact gattgtggtg   120

gtaaaactgg cttgaagtag ccatctgggt aatatccaaa ccacgaagtt tcctttggta   180

```
ttaaaacagt gtcgtgctca aactgttaat gtataaaata agattacaaa tatataagct    240

tttctcatga aatcaattag caatattcta ttcataatat cacacaaata cattcagagg    300

acttaccatg ataagtacca aattctgcta gctactaaat ct                       342


<210>    8277
<211>    399
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    8277

agctntctac actgccagtt aacaatgtat gatctctacc ttagtttgtt gctcttctta     60

gtaagttctt aatcagtgcg gtggcattgt ccgaaggttc ttatcaaatt attgggtcat    120

tttgtccact tggctaacca tataaaagta tcaataagaa ttgtaatgtg gggtttcatt    180

ttgttgtggc tgtggattgt gctttacttg gttttcaagc ttgacgagag ttacacgccg    240

agcaaagttt ccatccatgc cggtgatggt tttcacaact tgaaggtaaa tttttacttt    300

attggcttgg tgtcgacttt gggaacattt ttatgagatt aagaccatgg aactcgtgaa    360

gccaactggg tgggtttatg tatccttgta tggagctga                          399


<210>    8278
<211>    371
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    8278

attctaacct cgaaattcaa gaaaacactt tgatntatta tgttnntggg ataaaaatgg     60

tcattgacca atccctattc tatgacttga cccaattatc tagtgaaggt gtaccatttg    120

aaggtacact gaatgatgat tggaaatttg attactttgc gcatgatgcc cgccagttgg    180

ttttcaccaa ctaagcggat atgaccggaa ggcttttttgc cggatcattg gctcttgaaa    240

gccgtatcct tcactatctt attgtgcgta ttntacttnc aagatcttca nacattgcac    300

aagtttctaa agaagatctt attgtcatgt gggctttcat actggccaac acattgatgg    360

ggcacactta g                                                         371
```

<210>   8279
<211>   401
<212>   DNA
<213>   Glycine max

<400>   8279

agcttctcat agaagcttct caaggatgtt tctcatgata gcttctcaag gaagcttctc   60

aaagaagctt ctcaaggaag tttctcacgg aagcttccta ggctataaat agaagcatgt   120

gtaacacttg ttgtaacttt gatgaatgag agtcttgtga gacacaactc aaagttcaac   180

ttctctccct ttcttcttcc ttcaatttcg gtctccccc tctctctttc tatacctatt   240

tcttttcctc cattgaagca tactctccaa acttattatc caagacattc tcttgatggc   300

gaagctcctt cttccatggc ttattcccta gtggatggca gctcccctca cctcttcttc   360

tttatcttcc gctgcatctt catggaggga aatcaccatt g   401

<210>   8280
<211>   426
<212>   DNA
<213>   Glycine max

<400>   8280

tgtcagttat aatatatacc gtgctgagac atcaagacaa cattatacaa taacaacaag   60

ggtgtctgca atcatcattc acttggacga tatttctagt tcaatcaaat agggtcacta   120

gtcacaacag caataatctc tcaaccaaaa catcaagata aaaaacagga taatgcataa   180

caattttaag ataaaagctt gtcataaact ggatgatcca ctaatccaat tgacagacaa   240

ttataaatgg atcattcttt cttcttttac tggaggagct tcggaataga ttgactctct   300

ctacgaccca tcttattgac gggaattatc actacgttag cggctcactc ggttactcga   360

gaatccaaat tattctattt cctgactgta gcaatgcata gcggtcaata ggaacatttt   420

cttctc   426

<210>   8281
<211>   442
<212>   DNA
<213>   Glycine max

<400>   8281

agcttgagac ccatcttcaa gaaatataca agactcaaca caaggacatg agttcaaatg   60

aaataggttt agtaacagta ccacctatgt ttcatacaaa caacagagcg agagtagatt 120

tcacttcatg gataactacc ctgacctcat cattggaaat tacactgatg gaaacttggt 180

atgatcctta atggcttcta aacttcgact aacttagctt ggtttgtggt ttgttaatgc 240

tactatggtc ataacagtat aaacacacta caaatagcta ggttgttttg gtgttggcag 300

ttctctaaat gcaactcaat gttgtgtaat agagttaggg ctgtcgacat tacctatttc 360

acgacctgag ttagggtttg aggtagagac tgtagctatg ggccgcttcg ctgcgcctga 420

ctttgacgga cacaatatgc ac 442

<210>   8282
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8282

taagttcatg actgcacaat gaaatgcatg gaaattgacc tgtacgtagt ccagattcct 60

cttccaccat ttgatatatt gattntggta tggacatatt tcttctcaaa tagagttttc 120

gcaatgagaa aaatgacttt caatgttgtc taatgtgcct aataaactat gttgcaaaaa 180

ttaaattata atcactctta aaaataaaaa gaggacacgc taaaagaaaa taaatttaaa 240

tnctaaaaaa gccaaagaaa taataattaa acatacccat aatttcttca tagttgaaaa 300

tataattaaa gaacagtgat gagaatgatt taaaataaag tataaatggt cacttattaa 360

atngaatttg gaagtaagtg ataaatat 388

<210>   8283
<211>   312
<212>   DNA
<213>   Glycine max

<400>   8283

tgatgagaac ttcatgtcat ttctcgttaa cgttttgcca acactcaggt ggctagatga 60

cgaagaatta tcttgacaaa ggacatgttt taacccagtg ctcatctggt gctcattggc 120

atcacatgct acattgctac tatggattgt gctaataata gtgggcaaca tattgtactg 180

tccatacata atatcaaagt gacgccttga tgagtaagac aagctccttt ttcaaatctg 240

3523

agtgcttcgc cttagtcatg gagaaggtgc agtgtattta tacagtcctt atacatgtac   300

acgatctatg at   312

<210>   8284
<211>   381
<212>   DNA
<213>   Glycine max

<400>   8284

tctaacatat cgatcgggtg ttagtacaga ggaactcgtc ttactagcac atcaataatg   60

tcttgcctct ttttcattca tgttttatat cctcataact ctaattctta ttcaaacaca   120

caattctatg aataaaagaa tcttaattaa tgtatttgaa agtcttaaaa tttaaaatgt   180

ctcaacattt tagatttctc catccaaaca cactctaaag gaataaaata aaagaagaaa   240

agttgaatta cattcatgaa gaaaatcatt atctccaatt tctttttatt tatctatacg   300

ttgtttaatg gaaaccacat actacaatca atcttcttaa ttgtaataaa atacctatac   360

aatttctatt ccttgccttt c   381

<210>   8285
<211>   364
<212>   DNA
<213>   Glycine max

<400>   8285

agcttaaaac aataaacatg tccttctttt aattgtcttt gggctgggcg accacgagca   60

ataaagtact tttggcacct acaatatgtt gacttcgcca acgctgatat tggaatgctg   120

cgacaatctt tcaacaactt attcacacat tgtgataagc tggttggcat gtgaccatat   180

cgccgtccag atgcatcgta agccatgctc cattattcct gtgagattcg tcaatccatc   240

ttgctatagc tggactcaat tgacgaaatt tttctaagtt ttgatcaaac acatgcttgc   300

aaggagtgta cgctgcatca aatgtgttat catcaacagc tgtacgtata catgaaactc   360

aaat   364

<210>   8286
<211>   146
<212>   DNA
<213>   Glycine max

<400>   8286

atctgatcat catgacttga taaacgccat atacaaatca ggcacatgaa gagggcgaga   60

atgagggaca agcccatgct gtgactgcca ttcctataca gcccagtttc ccaccaaccc   120

aacaatgtca ttactcatcg aataac   146

<210>   8287
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8287

agcttgcatt tggaattgcg aaagccccac tctatcatta tgattagtac ctgacatctc   60

anacaaacaa atcaaacgta acaagacaat tatagttgtt gtttgaatac ctcacccact   120

caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgcctt ttaccactct   180

aattcccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac   240

caatatgtgt aaggtaaggc tagagagaca aggaaaaggt taaccaagaa aaaggctaac   300

aatggtttta ggcacaaatg aaggaaataa aattcagaat ttaggaattc aagtaacaat   360

ccttcatgca accaatatat taccttaaag agattttttt aaagtcttaa gcatgaacca   420

tcagccaatt ttttttttta   440

<210>   8288
<211>   457
<212>   DNA
<213>   Glycine max

<400>   8288

acatgcctca tgacacctaa gcacacttag tggagaatct tgaactcgat attggattag   60

tgggctgaac catatatgaa attcactaat cataattagt gaaatattgg ctccacaaat   120

tcaatttcaa attcaagtga aatttgaatt gaaattcaaa tttccctcca attttgtgtg   180

acacttaggc tataaataga ggctatgtgt gtgcattttt ccaactttga tcatttaaaa   240

attaaaattc aaattttata gctctcttat agtacaaaat ttcgtgcttt tctcttgctc   300

tcacttcatt catctgcttc ttcctccaag ctcttatcca ttggcctcta tggtggtgag   360

cttcttctac gctcatcttc tccttgaagt ggcgtctcct ctctctcttc cttctccatt   420

ccactggcat tcatcttcca agaagcaaag gaátcca   457

<210>   8289
<211>   475
<212>   DNA
<213>   Glycine max

<400>   8289

agcttagcta cacacaccca tctaaaaact gatctcacct tcttgagaag cttacttgag   60

aagctagagc ttagctacac acacccctgt aataactaag ctcacctgct taggaagaga   120

agctagagct tagctacaca cccctataat agctaagctc acccccatga caaaatacat   180

gaaaatacaa aaaaatccta ctacaaagac tactcaaaat gccctgaaat acaaggctaa   240

aaccctatac tgttagaatg gccaaaatac aatgcccaaa agaagaaaac aaaacctatt   300

ctaatattta caaagaagag tggacccaac cttgacccat gggctcaaaa atctacccta   360

agggtcatta gaaccctaag gccttcttta tcagctctag cccaatcctc taggagcctc   420

ttgctcatgg ctctggtaac tggtcctttt ctagggagga tagcatcaca ttatg   475

<210>   8290
<211>   363
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8290

ctgagaggaa cgaggattat ggctacgtgt tggtacgtga gctcagttga aggtgggcaa   60

ctggcgatgg tgggttcatg tttaatttgt ggatgtggga gagttgattt gcaccatcgc   120

ccgatcgcca cctattacca catatgacgg gtaccctata atcctaccag cttgaagtga   180

gaaagtgtgg aagagtcaat ctgtctacct ttatttgatg actacagagt ggcacctgga   240

gatatgtctc aggggtcagg ataccttgcg gacgttctgt ggagtgctat ttnccacaac   300

caagcttgac caatcccgac ccaacccagg cataatcagt cagtgagaac ctgtgacata   360

cct   363

<210>   8291
<211>   466
<212>   DNA
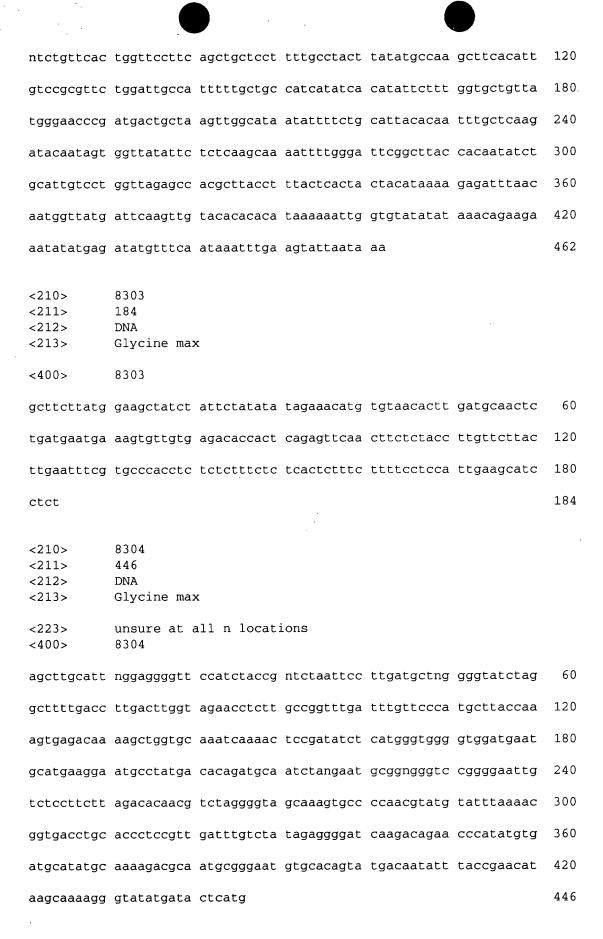
<213>   Glycine max

<223>   unsure at all n locations
<400>   8291

agcttgtgcc ttttcacgtc tggaatatga atgtagcata tagatccaaa gacccttagg   60

tgctntgttg atggcttctt cccgatccaa gcttcaattg gagtcttgtc ttttacagac   120

ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg   180

ttaggtagtc ccttctcctt gagcatcgat ctagccatct ccataactgt gcgattcttt   240

ctctcggaca ctccattntg ttgagaagaa tatgcgactg taagttgtcg ctcaatgcct   300

tcatcctcac aaaatctttc aaactcgcga gaggtgtact ctctgctgcg ataacttctt   360

agtactttta tccgttttcc actttggatt tcagcaaggg ccttgacttt ttgaatactc   420

caaagacttc ttgattttct tttagaaaat atacccatgt cattct   466

<210>   8292
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8292

ctgaaactca tgatgtaatg ttctaactat ctatttaatg ttattntcta gtgttctttt   60

tgcttctatc tacaattatt ttacatgctt gtggcttgat cacccatttg tatgtttagt   120

taggttcttt agtcttggaa aatgctttaa aaccttataa cttgatagag catgctacaa   180

atctatttgt gtacgaatga aatacacgac tctactatat tttacattgt atgtttagta   240

caactctctt agaacgagtt tcgtgatgaa tcaagaacaa aaactaagag agttaggctc   300

gatcattcat gtgaagaatc atggtctgag tattgtctca gtgtacgaac actaggataa   360

tattaaat   368

<210>   8293
<211>   494
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8293

ggatcttaag caccgcggct gcagcttgtg ggtatctggg ccggatccct gaacttagat   60

```
taatgagtta agcttgtgaa catgtctcta ctacgcctta attaatttta nttatcgtga    120

ttgtacgtaa ggtgttgatt aatttattaa cgttttatat aaatttcatt agtgagataa    180

ttggtacttt nttataccaa catgttgcaa atggatattt tccaaatatt tactagcttt    240

tcaataagct taatttcttc tcttagactg ttgattgata gtaggtgaag tctatctttt    300

tttttctcc tttgtgtaca agagcgagaa tgtttggtaa ttagatacct gaacgtggat    360

taatgagtta atcttgtgca tttgacaaat atttagtgtg aacatgtctc aactcttata    420

ctttaattga ttntattatc atngattngt aggggatgat caatttacat gttttatata    480

aatgtaatta ttga                                                      494


<210>      8294
<211>      488
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8294

attcaacaat aagaggtgca gtttactgta tcaccattaa attaatcact ctctaatatg     60

cattaaatta gaaaaatatc aggattaagt taaggattca taccccctta acgtctctat    120

ataaatgagc aagttcctag cctattaaac aaaccagcac ctaatttcac aaacaagaaa    180

aaacctacca attacgtgaa gtcagtgagt gatattcaag gagatgagtg gccaaaactc    240

ccatcaatca aacacctcan aacattattc cagttccctt caaaatcaca agcatggcaa    300

atctgtgatc cctagtgatg gtgatcacac atcattgcac aggttcatca gctctagtca    360

tcattntggg caatcgcgga acttcaacat cataagttat gaacaacaag tgtatcaagc    420

aattcagagt gcanaataca ctatcgaatg gatacaacgc ctacagtctt atgaacgagt    480

agtggatc                                                             488


<210>      8295
<211>      444
<212>      DNA
<213>      Glycine max

<400>      8295

agcttctgaa ttgtcctcat ctctctgttg tcttatttat tcctctaagt aaaaaatgac     60
```

```
aatgaaaggg acagatacga tggaattcac gggaacatac aatttgatga cggtggcata    120

tttgaaacgt aaatatgtaa ggcaaattat attcaagtcg cgtccaattt gtaagaatat    180

actggtttga gtaaaataat tttactaaaa ttttactagt taaactttga ctgaatgcat    240

gctgacgcca atctctgtgc atagtacaaa tgctacaata caacatatgc atccctcaca    300

gttgcagtgc aagtttaata caaactataa tgtgattatt gtataaatga acacaataga    360

atcgagtact taatcgacac aattaaagca acaagttcag aatattcaga tatcaggagt    420

tgcagaggag aatagaataa taca                                          444


<210>      8296
<211>      470
<212>      DNA
<213>      Glycine max

<400>      8296

actgattgta tacatctcta tgctgttaaa tgatcttgtt tacacaatgt aatattctgt     60

gtgaagatgc tgatgtgttt taagagtata tgggaaacac caattccttc gaagatggct    120

gcttttgtaa ggagggttgt gcaggatacg atacacacaa aaaggaactc gaggaggaga    180

aatatctaat tacagccagc agactatgtg tgtctctttt gcactctata ggaggaacct    240

atggagcatt tgatgttaag ctgtacattc tcatcaagca tctggaataa gtgctatgct    300

tggttggcga tacatactgc ccaacagata tcctacaatg cacctaaggc aacattcatg    360

tgggatcttt ggaaagaagt tggcggtgaa acggatggtg gtatggtgtg cagtggtgtg    420

atctctatgg tcacagagaa atattctgct tttaacgatg gaacatggat                470


<210>      8297
<211>      440
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8297

agcttaagag cgaanactac ggntgctaac ttattatcgn gtatggaata attcctttca     60

tgtatcttga gctgttgaga agcatangcc actacttgtc cccactgcat aagcactcca    120

cccaaaccca tcttagatgc atcacagtac accacanagg gttcactcgg gtcaagtaac    180

actaaaactg gtgcagtggt caacctttcc ttaagggtac gaaaactact ctcacactgt    240
```

gcatcccaca caaaagcttg acccttacga gtaagcttag tcaaaggtaa ggctagctta   300

gaaaaaccct ctatgaatct acggtagtat cctgctaaac caaggaaact cctaatctca   360

aacactgact taggactctc ccaactcatc accgcctcta ccttggaagg atctatngct   420

atccctcccc tggatataac   440

<210>   8298
<211>   290
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8298

aacagactgg cctcaaaatc ttatgctcac acatgcacag ttacataaaa cattgcaaac   60

agttgcttga gattaataaa aaagaacaga gattgcacga aaatcaattc gaattaattg   120

taagacatta taaatcactt acatcgaaac tnttgagatt gttcttccaa gacccacagg   180

agcaatgggg atcgatctct aacgcttggg ggtaagataa aagaatacaa ctcttgagat   240

tgtatgcgta atggtgaaaa ggttgaatta cttagtctgt ctctaaacta   290

<210>   8299
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8299

agctntataa gtgcgggtct gggagacgaa tgttaagtgt tcgcgatatg tgaagatgat   60

gttccaagta cttcggattt ggtccgacca tgccctcctg atttccagct gggaaattgg   120

cgagtggagg aacgccccgg catttacgca acgagcataa tgtaaacctt tacggtttta   180

aaagctctat agttgggcct aggctttaga gttttcattt tgttaaggct ttgtgtcttt   240

tggttttgaa tttataatac aaggatcttt cttcatctgt tcctggtctc tacccattct   300

cattcatttg catgtttact tctttntctg aaacggcaga ttcgatgacg agtcccccga   360

aggtactaat acctgtgacc cgtctatcaa cttcgagcaa gaaatgaacc acacggaaga   420

tgaaggagat gangatgtgg ga   442
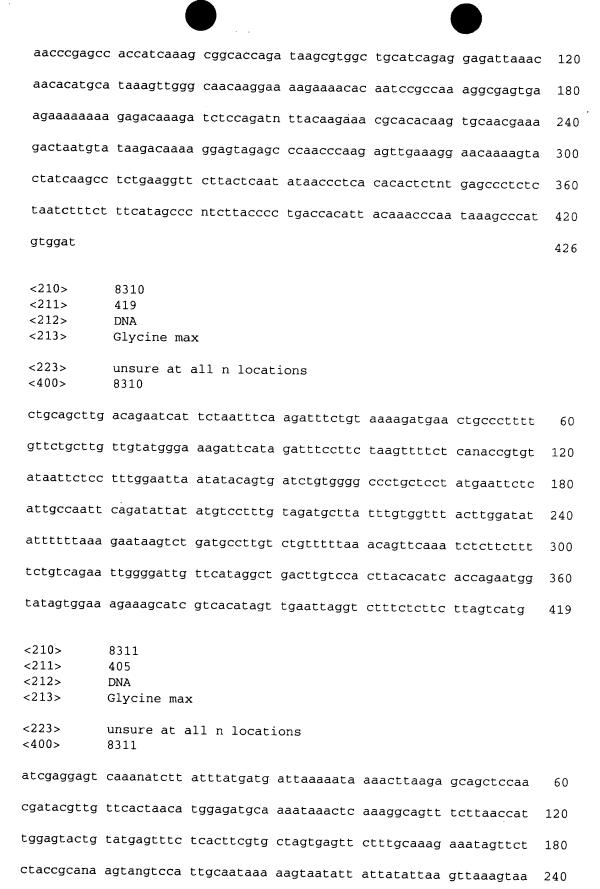
<210> 8300
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8300

atatacaaaa gttagtcata taaagtgact aacaagcatg tgctaagccg aaatccacta   60

atgcatgttg agcggtccat agtcgcgcta agcacgctag cacaaacaaa gccacctatt   120

taagcctaac atcaaatttt ggagaggatt ttggccattt tctcaacgag cttctgcatg   180

tgagagattc tacagagaga acggtttgaa tccagagaat ttgagaggtn tgttgtgcga   240

agacctgcag agaactgaac ttgaagagaa agtcgtcctg agagcttgag atgagtttgt   300

gagtgattgt gacgttagag gtggaggaga catcttcacc acttatatnt cttcaatctt   360

tcattnntct cttctc   376

<210> 8301
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8301

agcttgcctt gccccttgat atattttatg gactcatggn cactatgaat gacaaattcc   60

ttgtgataaa tgtagagttg tcatgtcttc aaagcccgca ctagagcata caactcctta   120

tcactaattg aatagataag ggtaggacca cttaactttc ttctaaaata agcaatggga   180

tggccttatt gcatcaacac agtcctaacc catcatttga agcatcacac tcaatctcaa   240

acgatttatg aaaggttggc gacgcaagta tgggggcatt agtcagcgtt tgcttaacat   300

agaaagcttc   310

<210> 8302
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8302

agcttcccac acaacaaatt cccaatatcc tattacaata caataacaca gaaaccctat   60

```
ntctgttcac tggttccttc agctgctcct tttgcctact tatatgccaa gcttcacatt   120

gtccgcgttc tggattgcca tttttgctgc catcatatca catattcttt ggtgctgtta   180

tgggaacccg atgactgcta agttggcata atattttctg cattacacaa tttgctcaag   240

atacaatagt ggttatattc tctcaagcaa aattttggga ttcggcttac cacaatatct   300

gcattgtcct ggttagagcc acgcttacct ttactcacta ctacataaaa gagatttaac   360

aatggttatg attcaagttg tacacacaca taaaaaattg gtgtatatat aaacagaaga   420

aatatatgag atatgtttca ataaatttga agtattaata aa                      462


<210>      8303
<211>      184
<212>      DNA
<213>      Glycine max

<400>      8303

gcttcttatg gaagctatct attctatata tagaaacatg tgtaacactt gatgcaactc    60

tgatgaatga aagtgttgtg agacaccact cagagttcaa cttctctacc ttgttcttac   120

ttgaatttcg tgcccacctc tctctttctc tcactctttc ttttcctcca ttgaagcatc   180

ctct                                                               184


<210>      8304
<211>      446
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8304

agcttgcatt nggagggggtt ccatctaccg ntctaattcc ttgatgctng gggtatctag    60

gcttttgacc ttgacttggt agaacctctt gccggtttga tttgttccca tgcttaccaa   120

agtgagacaa aagctggtgc aaatcaaaac tccgatatct catgggtggg gtggatgaat   180

gcatgaagga atgcctatga cacagatgca atctangaat gcggngggtc cggggaattg   240

tctccttctt agacacaacg tctaggggta gcaaagtgcc ccaacgtatg tatttaaaac   300

ggtgacctgc accctccgtt gatttgtcta tagaggggat caagacagaa cccatatgtg   360

atgcatatgc aaaagacgca atgcgggaat gtgcacagta tgacaatatt taccgaacat   420

aagcaaaagg gtatatgata ctcatg                                        446
```

3532

<210>   8305
<211>   340
<212>   DNA
<213>   Glycine max

<400>   8305

agatgaggaa gtgtagaagg gtgacacttc ctgctcttat tctttgacca cagagtggta   60

cctggagata tgtcacggtg gtcaagagac cttcgggacg tcaggtgggg tgcttttgcc   120

caaaaccaag cttgaccaat cccgacccaa cccgggcata gtcagtcagt gagaacctgt   180

gatgtaccta agcaggcgag ctgctaccag tcaacacgat ataaggaaca cagaccacaa   240

accaaggagg cttgtgtggt ggctggccag ctgtgaatta tgattgatat atgggatatg   300

gcctctggta atcgattacc aagggtgggt aatcgattac   340

<210>   8306
<211>   381
<212>   DNA
<213>   Glycine max

<400>   8306

acacattaca atgactcagt gtctgacatg tttatttcat gactccaaca catgtttatg   60

tgtaaaaata cttccaaata tatgcgtagg catgtagatg atatgcgtcc atagttagta   120

gagatcaaac atgcaactga tgatgagtag gggtgaaaat aagttgaaaa tttcttagag   180

acctagggtc caacttattt aaggtgtaac tcaacttggt tgatctaaaa caaaattaaa   240

ctcgaacttt tttaaaaatc tttttaatta aataggctag atcataagtc ataagataaa   300

tctataaggc tcgatagatc gaccttgtta ataataatca ttctaatatg atatatcata   360

ttataatttc ctttctaaag c   381

<210>   8307
<211>   590
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8307

cggcacgacg cgttgacanc cgttggtttg acgcctttga gtaccatcgt catctacgtg   60

acactatana ctacgtaagc ttgaggaata tgacactgca catgctgctc tggatgtggg   120

tgcatcttgt atcccacacc ccaatgcgtg ctgctctgat cacagaatgt gatcatcnta   180

ctcgcaggca aaccttattc tctctagtgg cacgatgatc tctatttgat gaagcttatg   240

tgccttttgg atatactctt tatgttgtcg aatgttctat atgaccaatg attgtatctt   300

gactgtctga aagggaaaag gtggagtaaa gccgcttttg gccttgatac tgaaatgagc   360

ttgaccgaca tattgtgttg aacagaagag tgctagtacc cctctattat agaggaaaag   420

gccacaccac acgattgttc tctctacgac tgtcaccatc acgatgatgt tctagagaag   480

gcaccagtat cagggctaaa gctacattac gtcacacctg gtctactcta ctgcagtgcc   540

tatcattgct tgactatatc atatatttga cgaccgctac tgccgctgcn   590

<210>   8308
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8308

agcttcctcg gggccattcc tgcgaagaca aactttttgga aagttagttc acaagaaata   60

taacaatcat tacaaacaag ggccaaacaa cacttcttat ggcacgagtg tcaacatgca   120

ctttataaaa taatcatatt ggggtcatgc tattttatga cacatacgta tttgcacaca   180

taaaaatttt gtatgaagca ttttacgaca cctatccatg catatatttt ttttttttgac   240

aaacctttttc atgctacatc ctatatatat acacacagtt tttttggaag gcttctttttg   300

ttacctactc acanatacac atatttttga aaaacaacta ttacgctacc caatcaacac   360

ttttgtaggc acttcatgct atatatattc atattatgca aggcatttttc atgctatata   420

t   421

<210>   8309
<211>   426 .
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8309

tgtcgtgcct tcactgtttc tgtctagacc catttcgcgc tcatattcgc cccataacat   60

```
aacccgagcc accatcaaag cggcaccaga taagcgtggc tgcatcagag gagattaaac   120

aacacatgca taaagttggg caacaaggaa aagaaaacac aatccgccaa aggcgagtga   180

agaaaaaaaa gagacaaaga tctccagatn ttacaagaaa cgcacacaag tgcaacgaaa   240

gactaatgta taagacaaaa ggagtagagc ccaacccaag agttgaaagg aacaaaagta   300

ctatcaagcc tctgaaggtt cttactcaat ataaccctca cacactctnt gagccctctc   360

taatctttct ttcatagccc ntcttacccc tgaccacatt acaaacccaa taaagcccat   420

gtggat                                                              426
```

<210>   8310
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8310

```
ctgcagcttg acagaatcat tctaatttca agatttctgt aaaagatgaa ctgccctttt   60

gttctgcttg ttgtatggga aagattcata gatttccttc taagttttct canaccgtgt   120

ataattctcc tttggaatta atatacagtg atctgtgggg ccctgctcct atgaattctc   180

attgccaatt cagatattat atgtcctttg tagatgctta tttgtggttt acttggatat   240

attttttaaa gaataagtct gatgccttgt ctgtttttaa acagttcaaa tctcttcttt   300

tctgtcagaa ttggggattg ttcataggct gacttgtcca cttacacatc accagaatgg   360

tatagtggaa agaaagcatc gtcacatagt tgaattaggt ctttctcttc ttagtcatg    419
```

<210>   8311
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8311

```
atcgaggagt caaanatctt atttatgatg attaaaaata aaacttaaga gcagctccaa   60

cgatacgttg ttcactaaca tggagatgca aaataaactc aaaggcagtt tcttaaccat   120

tggagtactg tatgagtttc tcacttcgtg ctagtgagtt ctttgcaaag aaatagttct   180

ctaccgcana agtangtcca ttgcaataaa aagtaatatt attatattaa gttaaagtaa   240
```

3535
```

tgtgaagttc tttttttatca tgcatcaatn tttctacctt taaaaaatat atccattgca    300

caataatggc aataaatgaa tagtaaattc tgttagtgta aatcgtaaca tctttgtaat    360

tntctcacac acaacaatct ttcaattgcg tctatattgt ctctt    405


<210>        8312
<211>        463
<212>      . DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8312

agctnntggg gcatatgtac tttaagtgag agatatgata tttaaaattg gaataataat    60

taatattacg agtaaataac atatacaaag atgattaatt nttacataat caatcacata    120

ttatcatata atgtaaattg attgatagta ataataaaaa tataaaattc atattaatta    180

tgatttaagt tctaaacatt atagatgata tgataaaaaa aatgtgtata aaaatgagaa    240

attaagcaat aatgagagat aataaaattg aataatgaaa gagagaaaga gtgtgaccgt    300

cacagcttcc aatagattgg tggtgtcgtg caagtacttg acgacccatg ttagaacact    360

tgctgtggtg tcatgtgcag canagatgac accaatgaga atatcaacaa ctcgagactc    420

tgtgtgctgc tgatagtaca tcttggtctt ctcacctcga gct    463


<210>        8313
<211>        505
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8313

cgttattccg actacttgtc taaaccacta accaagcgac atgtatatat gcagctcttg    60

agaaccttat tcacaacata tcgtttttctg tattagagta tgatttgact atatcttcgg    120

atggaataga tgtttcataa actcctttaa tgcattctat ctatattcat gaatcataag    180

acaagttatt ctcctcggat gatttggatt attaaaaatg tacataatgt tatatgtgtg    240

tatgtacgta cgtataagtt ggatgaggca tttcttattt atgagacttg ctngctttgt    300

gtcacggaat atatattgtg atgatataga tgcatgtgtg ggcgattaat gcagcatatc    360

ttacgaatct attctaatga caatgacaag agattgtgaa cgcttaatgg tgcgcataat    420

taaggagcga acaccganag accatatcga cctatctata tatatatatg aatcttctcc    480

acattatatt ttgcgttcct atgtt                                          505


<210>      8314
<211>      429
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8314

agctnttatg taaaaggatg tgactcttca catttgaatt ttaatttcaa cgttcaaagg     60

cactggtaat cgattaccaa aacattgtaa tcgattacag ctctttgaaa ttaattggaa    120

cgttgtaaat tcaatttgaa aactttttca aaacaatttt gctactggta atcgattaca    180

gaaatctggt aatcgattac cagagagtaa atactcattg gtaaacatgt tttgagaaaa    240

atcatgtgct actcaatttt tgagaaaaac ttttcatact tatctcgatt aagccttctc    300

ttgattctcg aatcttgagt cttaaacctt gatcttgatt cttgagatct taaaccttga    360

atcttgactc ttgactctta actttcttct tgagtcttga attcttcttg agtctatctt    420

gaactcttg                                                            429


<210>      8315
<211>      491
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8315

. actctacctt tacagctnta ctatttccac tgcttcatat tgttctcaaa ctaccacttg     60

taggccttgc attctgtcat ttgtttatga tttgctgatt atatttatca agaacgtacg    120

agatttgcat tgttatccat gatatttcta tttcattatt tttctttata gatttttaat    180

atgatattta ataatacatc ttacttggct acatgctcac agtggtataa tattctatat    240

gcagtgttnt tttgatacac cagggctcat gttgaattgc ggtggatttc cttatangga    300

tgtcaaggtc cgtgttgaaa gtgcttggag ttcagtcaat ctctatgaag tgctcatagt    360

catttctgac gttcatagac atattaccag gtcanaggat tatttattaa atggatgagt    420

agtcctatac tcgtgtttac cctatttctt ctatatatag acttgttcga taacttctta    480


3537

taagactata g                                                    491


<210>        8316
<211>        442
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8316

agcttcacat gaagctacat cacttacaat gaattgagta tatcattngc tataagatgg   60

aaagatgaac tagagcctac gtgacatctg ctacactcta gtggcaacat gaactttgtc  120

acatataacc aagatttggt aagctcagct ctatttgttg gatggacgaa acttatagag  180

ttctatgggc tcactagaaa tcattatgtc gccttgaccc actatggata gagtgttttc  240

ctcctcacca tcttcaaaag cagctttgaa ccaaaagttt ttcctaaatg gcctccttgt  300

accaccaagt tcctaactca gtcactttta aagtcctact cactgagtac aaagtgactt  360

gcatcagtnt ggtgagtaat taagcactcc tatntgtatg tcaaaatttg atatcatata  420

attatctaat ataaatttct tt                                          442


<210>        8317
<211>        404
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8317

acacaggtct tgactgcgat ggngagaaga ttaccattgc agctagtgat gaatggtggg   60

aagccaaaat tcaggtatgt attattcaac gaaaatagag tttctgtgta ggccactctt  120

ttgttttta tgtgtgattc ttgactgtgc ggcaaaaatt gaagttgcag actgtttttt  180

agaaacttgt gtctaaaatt ttagttgata attcacgtcg gttattactc tgttactcgt  240

tgcaattgag gtagtttaca tgcaaacaaa tgaatgtgtt gatatagtga tgtttctttt  300

aaaacctaat gaaatggaaa tntattggca tgttctttat tactctatct ttattgtctg  360

ctgcatgttt atctgcatcg ttcggtattg catacaggca tgtt                  404


<210>        8318
<211>        74
<212>        DNA

<213>    Glycine max

<400>    8318

ctcctctgtg gactctggga acaatcccgt catagccacc gttttgaaga gcaacttcca    60

gctctatggt cgtg    74


<210>    8319
<211>    400
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    8319

agctnttacc aattcagagt atactttcta ttttggagac ataaagggaa tgagatntga    60

gttttgaaat gcttgaatgc attctaaact ctcatcagan aagaaataca tatctatgaa    120

cttagggtca atgatacaat gagaggagaa taggtttgtg tactgtatac gttgttcatc    180

cgatgagaac aatgaggagg aggaaataga ggaaggaatt ggaatatcct gagtctcgga    240

gtgtcgttgg cttctactcg aagaaccttt gtgcttcttt aatggttcca ccatttgaga    300

gattntttca naatttcaat cggttgaaat gaaagagaac tgaaaaagat gaagtttggg    360

ctttgtgggg agtgatttgg ataagaaatg agtgagttat    400


<210>    8320
<211>    329
<212>    DNA
<213>    Glycine max

<400>    8320

atggactctt acatttgaat ctgaatttca acgttcaagc acactggtaa ttgattacca    60

caacattgta atcgattaca tcattttgat atccattgga acgctgtaaa ttcagttgaa    120

atctttctga agaccattct actactggta atcgattaca ataatcgggt aattgattac    180

cagagagtaa aatctctttg gcaaaaggg tttgagaaaa atccatgtgc tactcagttt    240

ttgaaaaaac tatctcatac ttatcttgat ggagtcttct cttgattctt gaatcttgat    300

cttgattctt ggaatcaaaa ttcctcttg    329


<210>    8321
<211>    438

<212> DNA
<213> Glycine max

<400> 8321

agcttgcaat cactaagaga ctcttttaac atcgatagac taagacttag ctttcttatt 60

gatctttgtt ttcttggtct tgatttggac ttaaaataaa acttgtgttt cttttgtctt 120

ggcatcatca agaccatcat acacatacat tcacaaacat cgctatattg tcgtaacaac 180

ccattgtctt ttgaaccatg gatccctccc actcaagttt tggtgttatg cattgtaaat 240

cgcaacgtgt ctcatcaatc ggatgccctc tcttacacta aaccaaaaag ctccattaga 300

agtcttgttt catcgtccat caaattatag taaactaaca gcttttggtt atctctggtt 360

tccttgggtc actccatata caactaacaa acttcagacc aagtccgtac catgtgtttc 420

taggttacaa tcttactc 438


<210> 8322
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8322

gcttcattaa tanatcgagt cctactagct ctagtcctct tcatattatc tattctgatg 60

tatggcggcc aacttcaata aatccaataa aaggatattc ctattatgtc atttttattg 120

atttattttc acattatgtt tgctggctgt atccaatgaa attcaaatcc gaaatttcca 180

ttattcttcc agtttttaaa tcctttgttg aaaaccaata aaatgtcaaa attaaaattc 240

tttatactaa caatgatgat gaatacatta agttacggtc gctccttcta acttatggaa 300

tatctcatgt aacaacttcc catacccgtg aatatta 337


<210> 8323
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8323

agcttcgaag ggctgagaga gaccagtcga gagtctaatg catgatattg gaagacaggt 60

tgaaggcttg ctaaaggtaa aaaaagagtt tgtttgagga attgagcaag acggaagaaa 120

3540

```
acatgtgggc catcattgac caatacattg atgtggatgg ataggttctc cttcactttg    180

aatgggattc aagagcttcc aagactacta gccaaagcta aggcgatggc ggacgtgtac    240

tcgaccccccg aggaagttca tgggctcctc gattattgtc agcaaatgat cgattcgatg    300

gcctacataa ttaggagccg ctaaggcggt tgtattntcg ctttaattnt gacaagatga    360

acattttgt tccttaataa aaaataagtg tggtttaata ctatgtctct gcttanaant    420

ctacgtgaga ccaatgcttc gacaacttat ctttagcatg cattcat                 467


<210>       8324
<211>       213
<212>       DNA
<213>       Glycine max

<400>       8324

agaatatgct caaacgtgga gagacgtacc agcccaagtt gtcccaccta tgactgaaag     60

ggaaatgatc acaattatgg gtaatacgtt ggctacgttc tactatgaga agctgataga    120

atatatgcca gctaactcta cagacctcat gtttgccgga gaaagaattg agttcggacg    180

gatgaaaggc acgattgaat atgcctccaa cgc                                 213


<210>       8325
<211>       451
<212>       DNA
<213>       Glycine max

<400>       8325

agcttaataa atcaatctat ggcttgtagc aagtctcctg ccaatggtat ttgaagtatc     60

atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa    120

aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac    180

taatgataag ggtttgctat atgaggtgaa ataatctctc tcaaagaact ttgatatgaa    240

ggatatggga aatgcatttt atgtcattgg cattaagatc cataggggaaa gatctcgagc    300

gaatttgggt ttgtctcaag agacttatat taacaaattt ttagagagat ctaacatgaa    360

agaatgttca ccaagtgtag ctcccattgt gaagggtgac aaactcactt tgagtcagtg    420

cccgaaaaat gattttgagc gggaacacat g                                  451
```

```
<210>      8326
<211>      432
<212>      DNA
<213>      Glycine max

<400>      8326

ctaagcttct tcccaatcca ttggcaaata ccaatgcaat ctgagttggt tactctaaag      60

gccaataata cttggtttct cacacctctc cctcctggaa agcaagctat tagttgccgt     120

tgggtctaca aaatcaagtg caaatcagat ggttctcttg aacgctataa agcacaatta     180

gtagcaaaag gctacacata acttgaaggg attgattacc atgacacttt ttcatctact     240

gctaaaatgc gtacaatacg ttgtttatta gctctggcag ttgctcaaaa ttggtcactt     300

catcaacttg atgtccacaa tgcatttctt cacgaagatc tttttgaaga aatttatatg     360

tctcttcctc ctggttctca gcgacagggg gagaacctag tgtgcttctc aacaatctta     420

tatggataaa ac                                                         432


<210>      8327
<211>      313
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8327

agcttctatg aaggctggat ctatgatctt caataaggtc cttcaatggn gattttcagc      60

catggaattg cagcggaaga taaaggagaa gacgtgaaag aaggcgtcct ccactataga     120

ataatccatg gaaggagaag cttcaccacc aagagagtgc cttggataag aagcttaaag     180

agcttcaatg gaggaagaga atgagagaga gaggggggggg ggggcctgc taattaatag     240

tgattacgta caacaggact gccttgacta gttattaact gaatctcaac tgtttgggat     300

gccattggag aat                                                        313


<210>      8328
<211>      431
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8328

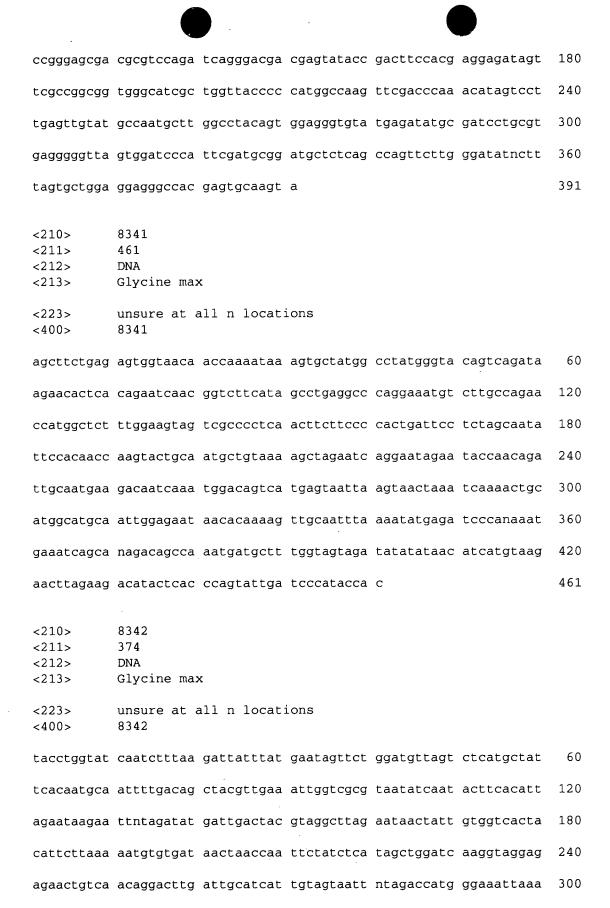acaacatcca cgcaatntca acatccgaga atcatgaact atcaaaacca agcaaaaaca      60
```

```
ggacagaggc agagnactct gcccanaaca canaccaata ccacaactnt ttcttactca    120

aatacccag taacattctc tttgttccaa ttcgttaacc gttggatcga ctcgaaaatc    180

ttactggagg tccctagtac ataaatctac attgtgaccg ttgggatctg ctagaaaacg    240

tgcagaaccc aatctgtact actctcttca caaccagcac atacaaatca ttntctgcac    300

aaagccaaaa ttctgctaca catttcaaca gcaaaattct gcataatagt gcagattatt    360

gacatcgcac ttgccctcgt ccaattntgc ccaaattgaa tcctacacgt cctacatcat    420

gtataaatca t                                                        431
```

<210>   8329
<211>   234
<212>   DNA
<213>   Glycine max

<400>   8329

```
cacttttaat gtggaatatt tatgcacatg cgtatgtgta gaatatccca ctatttatgt     60

gaacgtacaa ggacatccaa cacattccaa ctgccataca tatattattt tgaacagaac    120

acacaatctc atgctctagg ctctgcgcca gaactcacac ctaatcacat cctaaatatt    180

ttgctatcag aaactaccta cacatatttg aaacatatat catacagggc ttca         234
```

<210>   8330
<211>   270
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8330

```
tgtctttaga ggttacttcc tccttgacat cttttgttnt gaatggaatt gccatgacag     60

gtttattatt actgtntttg atatttggca cgcgatattg tgttgtggga ggtaatttcg    120

attggattaa ctcaccatct ctcacttgcc agtttgttat gacatttgct gttggatcac    180

ctatgatttc ttgtttccca gggtaatcta tatcctcttt gatggcataa gcatgacacc    240

aatcaaagaa taggacatta attctgactc                                     270
```

<210>   8331
<211>   504
<212>   DNA
```

<213>   Glycine max

<223>   unsure at all n locations
<400>   8331

tcaacttata tcttattaaa ttaaatattt atccaaanta tncacaacag ttgaccttgt   60

gcaccatctc gacccggacc ctaagtcacc gagcagcaag caaaaataca ttttatattt   120

atttccgaga aatatgattc ctgactctgt gatgtntcca tgactataaa tactgaacgt   180

tttaaactct cattatacca tttcatgaga ttaagtgaaa accttgaata tactattaca   240

tataagagaa gtgttgactc aacaattgaa tggttccaga aatataacgc catcaaattn   300

tcataaacac cacattatga gcctatgtga ttttctacta tgataatata cctgagcgcg   360

gcgtccatct aactaatttc agtattacta aaaaatcgta accgataact atgaatatga   420

tgatattgca accgcatgtg acggtgatgg gtacttatat attgaaatga cactatggat   480

tgcgtgctta cctactgatg cacg   504

<210>   8332
<211>   292
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8332

attcataaaa gttgttgggt gcaccagcaa tattgctgcg cgcacctaac atctcccgag   60

aatcaatagt atcataccaa gtatgttctg tcttgattgc tgtcatgctt attctgtggg   120

ggcctactta aaatctaaat gtccatgtat tgatatggtt aacgatctaa ctcatttcag   180

atttaattat tctatttaaa tccttctata tcatgtctat atnattttag aaattttact   240

ttttactcca tgacatgact actttcacat tctagatgat tatattattt aa   292

<210>   8333
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8333

agcttccaat catgcttctg tacagactnt gatcaacact ggtgccagct tcatcctttg   60

acagcttcaa gtgagtaggt gcaggtgttc ttttatggct ggaattttcc atcccaaact   120

tcttgacaat gttctttgca tacttgcttt gtgagaggaa catgaagtct tccatctgct   180

tcacttggag tcccagaaaa taagtcagct ctccaacaag actcatttca aattcagatt   240

gcatctgttg aacaaaatgt cgaagcatct cattcgacat ccctccaaac acaatgtcat   300

caacatatat ctgtgctatc atcaagtttc tagcatcttg tttgacaaag agagtcttgt   360

caattcctcc cttcctatac ccttgctgag taagggaact ctgtagcctt tcatac   416

<210>   8334
<211>   281
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8334

taagcttcta gcacaataga cttaccttga cttaattcct ctgatagcct ctttgagcct   60

tgtctgcctt tccttgtttt gaagctcact acaagcctta agtgaaaaac catgatatca   120

ccatatcctt aaggaatttt ggagctctgg aattgttttg ggaataagtg tggggctctt   180

tggttcattg aataacatgt ttnggtggcc atgcattatc atatatttnn agccatactt   240

natgtacatt gcatattggc tcagatttgg acatgctgaa t   281

<210>   8335
<211>   321
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8335

agctntgcgg atntggtctt caccggcgaa aggatcgaag tgagtctgaa atgaggaaaa   60

nttgatcatc ctgctttgat gaatgcaaaa actggggcaa atgaagagga tgagaatgag   120

ggagaaaccc ttgctgtgat tgtcattcct acacggccaa atttcccatc agcccaacaa   180

tgtcattact cagctaataa caacccttct cattacccac cacccaatca tgcacaaagg   240

ccatccccaa atcagccgca agacttacct gccacatgac caatgccaaa caccaccttt   300

agcacaaacc anaacaccaa c   321

<210>   8336
<211>   429

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8336

cgcaatgaac tcggtaagcg agcatgctgc gctaagcaag ttcatcagta ctcattgtgt   60

atacaggcgt tctcggaaga actcgctaag cgcacctacc gcgctaagcg agttcatcct   120

ttgaggatga acactcattg tcgcaacgtg cccttttgcg ggcgggcgaa ggcgaggctc   180

acgggtgcgc tttccaaatg aggaaagatg cgcggagtcg ccaccaacgt ttatttgtgg   240

agaacgtcgg acaaaccgaa ggacaccggt caaaatgaat attctaagtt cgggagttgt   300

atttacgttt gaggaaggta ttagcacctc tcacgtttgt ctcanaggac aacaacctat   360

cttttcagaat tgtggcaaat ggtgtatctt aactttaagt tctttctaat ttttgagggc   420

gacaaaagc   429

<210>   8337
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8337

agcttctagc caaatggact taccttgaat tattttcttt gatagccctt ttgagccttg   60

tttcccttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc   120

atatccttaa ggaattttgg agctttggaa ttgttttggg aataagtgtg gggggtttgt   180

gtttcattgg acaacttgtt ttgttggcta tgcttcatga tgtattttgg gccatacttg   240

atgtacattg tatattggtt aaatgttgga catgctgaat gaaatgttgt ttctcaaagg   300

ctaaagagta aaaaaaaaa atctaacaaa gaaaagaaa agcaataaag ttgagtgaat   360

aagatcttaa atggcacaag aatgatgaaa ctctnggttc tactcttcat nngttaattt   420

tatctntact tctctttaat ttcttattnt cttttct   457

<210>   8338
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   8338

gcttggcaat aacacaacct cgactctcat tgagtgtaga acactttcaa gtggtgctca   60

gttggagaat agtcatgagc tatgatgcaa tcctaccccg caagggcatt ggatagaaaa   120

ctccaagtag attgtgccag agatgcaaga gaaggcccta gggttcttat gagccttacg   180

gtagatttct ggcgcatggg ctaagtacga gcccacttat ctttgtaaat attaaattaa   240

ggtttcatta tttttgggcc ttgtatttac ggctccataa tgtatgtagg gtaccctaca   300

aatatacgat ttttcagccc ttgtatttta cggcacctag actagttttt gtattaaggg   360

tagatntgta atcttacatg cactaagtgg atattngatg tgt   403

<210>   8339
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8339

agcttgaaga agtnttgtct tttatgtgcc cacctctttt ttggcatttg tattgattat   60

tgcatcttaa tctctatcta tctatatgta catcatgcat catcatgtaa aggtaggaag   120

attgtttcta aagttagaaa attcttcagt gcataatact ctctatttta atcgattacc   180

aggttgttcg taatcgatta caagagttgc ttgtagcttg tagagagatt atagtttcga   240

tttaatcaat tacctagtat ctataatcga ttacatagtt cagttgatac catgtctggt   300

ttttcatgag tctctgcttt aattgattac caggtgatgg taatcaatta ctttgttctt   360

aaaagtggtt ccataagtgt tcgacggtcg ggtagtgcac cggatcgctc aagtagtata   420

aaacagtaag tgaatactga gtatcgaact ctcgagtctc acaacatg   468

<210>   8340
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8340

gagatccaag aaggataaag cagctgaagg aacctgttcc gctcctgaat atgacagcca   60

tcgttntagg agtgctgagc accagcagcg cttcgaggcc attaagggat ggtcatttct   120

3547

```
ccgggagcga cgcgtccaga tcagggacga cgagtatacc gacttccacg aggagatagt    180

tcgccggcgg tgggcatcgc tggttacccc catggccaag ttcgacccaa acatagtcct    240

tgagttgtat gccaatgctt ggcctacagt ggagggtgta tgagatatgc gatcctgcgt    300

gagggggtta gtggatccca ttcgatgcgg atgctctcag ccagttcttg ggatatnctt    360

tagtgctgga ggagggccac gagtgcaagt a                                   391


<210>      8341
<211>      461
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8341

agcttctgag agtggtaaca accaaaataa agtgctatgg cctatgggta cagtcagata     60

agaacactca cagaatcaac ggtcttcata gcctgaggcc caggaaatgt cttgccagaa    120

ccatggctct ttggaagtag tcgcccctca acttcttccc cactgattcc tctagcaata    180

ttccacaacc aagtactgca atgctgtaaa agctagaatc aggaatagaa taccaacaga    240

ttgcaatgaa gacaatcaaa tggacagtca tgagtaatta agtaactaaa tcaaaactgc    300

atggcatgca attggagaat aacacaaaag ttgcaattta aaatatgaga tcccanaaat    360

gaaatcagca nagacagcca aatgatgctt tggtagtaga tatatataac atcatgtaag    420

aacttagaag acatactcac ccagtattga tcccatacca c                       461


<210>      8342
<211>      374
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8342

tacctggtat caatctttaa gattatttat gaatagttct ggatgttagt ctcatgctat     60

tcacaatgca attttgacag ctacgttgaa attggtcgcg taatatcaat acttcacatt    120

agaataagaa ttntagatat gattgactac gtaggcttag aataactatt gtggtcacta    180

cattcttaaa aatgtgtgat aactaaccaa ttctatctca tagctggatc aaggtaggag    240

agaactgtca acaggacttg attgcatcat tgtagtaatt ntagaccatg ggaaattaaa    300
```

```
ttcgagcaaa caactaatga gaagcacaat caagcattat gcacagtaga gaaacaaaag    360

tgcaattatg ctga                                                      374


<210>      8343
<211>      439
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8343

agcttagtac acanaggatg attctatatt tctttagaat cttntaatgg ggaggaccaa     60

atgcttgcac atagcttgta acatcacttt caaagctact cacatctata ggaaagacaa    120

tcactataac attagagaat tacttgagta aagattctat tcttgacata ggttttggcc    180

tagtctacca tggacttttt gtaactcttc tctcctttca ttaataactt tgctcaattc    240

gctacattat cgattattca gagtgggcat tgatcccatt tgtgtcgtca taccctgcat    300

ttatgaaaga tttctttttac taggaaagca tctgtttgac cctggacgtg agtcgaacta    360

tgttctgtgc ttaatcgaca ttattagata ctctnttata agcatcaata tcattattga    420

ctactaatta tgatattct                                                 439


<210>      8344
<211>      392
<212>      DNA
<213>      Glycine max

<400>      8344

tcttgaccaa gactactaat ccttgactaa tctaattaag tgtctttgtt tatgaacaag     60

agttagaaga cgacaaataa gccttctcta tccctagaca caacacccttt gaggagtttc    120

tctccatttc taagttcaga aatattttct aatgacaatt caaattacaa catcaagtaa    180

agggtgatca aaccaaaaca agcattaatg catagaagaa aacacttaat aatgaataat    240

aaacatggat taataatcaa aatataagca taaggataag ttcagttaca tcaactccca    300

aaatggataa atctaactac ataaccacaa gaagaaaata agacaataga tgacagagat    360

gatgataaat ggtagggaag tcatggagag ca                                  392


<210>      8345
<211>      442
```

```
agcttgttaa caaatgttca gaaatcaaga attctaatat tgtggacaag gttcgttacc    60

agacaaaact aaagtcactt aattcaggag attttcaata ttaatattca agctgacatc   120

gcacaagatg taaaggagaa cttgctcatg tctaatagaa ttgaattcaa gcaatccctt   180

attatttatg ttgaggcaac agtttctgtt gtttgtagtt tattccttct taaatgattc   240

cgtaaaaaaa aaaaaaaaaa aaaacaagtc aataattaag cttttagcct ttatttatca   300

ttattttgcc gccctctgag tttttgcttt gctccatctg gattattatt attttttatt   360

tcagttttta ccgtattact tcagttcttg taaaattgta tcctcatgtg gaagaataag   420

aatngtcact ttgcacatta ta                                            442
```

```
ntacgttgca tacaagaaac aagagatgct agaagcacag attataacaa agaaacacga    60

attaagagat agaatattaa agataacgaa taaagaatat aagcccaagt gaacaaaaag   120

tgcacaattg gctaatattg acacgtaagt gccaagcagc ggcaccaaaa acttgttaac   180

aatatttggc aagtgaacca gatcaaacaa gtagcataaa atagaagtgt aagcattatt   240

taaaagatga tttgattaaa aactaacatt attctaccct tagattcagt agcagaaat   300

aaaatgtaat taatagaaga acacctatct aggcattctt atcaaacacg tactatgcag   360

ctaaattgat taactaatga taacgaaaca ttgttggggt ggacttcttg cacaccattc   420

ttcatgtata taacaataat aaataactta accatacact atcaatatgt tcatgca      477
```

<400>   8347

agctntacaa attatacagc tgatctatag ccatcacata attactagat ttctaacaat   60

atacatcaaa tagttaacta gattttgtta tactttcttt ctggtggcag atgtgtgcta   120

tgacttgggg caagtgcctt ctctacctta aaatttattt tggaatatgc attattggtc   180

cactaaatat ttttaatttc ccactaatca ataagttata taaacatgga aaaaaaataa   240

aattttgtta cctgtaaact acaagataaa aaattatatt attttgaacc ccagacctaa   300

gaaaccccct tactcttttg tctattttgc tgttggtatg tgagagtcat tgcctatgca   360

taaattttta ataagaaatc agttgtagat agtaacttct tgatttcccc tgtaaaatat   420

ttcacatttc aatatanact aacactagta tgcaatgagt atgtttct   468

<210>   8348
<211>   420
<212>   DNA
<213>   Glycine max

<223>   .   unsure at all n locations
<400>   8348

tctcagcttc agcctatcgt gcactattgg taaggtcctc aacgaatccg acgtagcaca   60

caacatctca gtcgagggtt ttgaaggcat tgctaatcac ataactacta ataactatct   120

cgcgtttgtg gaagaagaga ttccagttga ggggagaggg cacaacaaag ctctacatgt   180

gtctgtcaga tgcatggacc atgtcgtcgc taaggtactc atccataatg gttcaagtct   240

aaatgtgatg ccaaagacca ccttggagaa acttnctttt aatgcgtcac gtctaaaacc   300

aagttcgatg gtagtatgag ctctcgacgg tagtcggcgg gaggtgatgg gggaaatnga   360

cattcccatt cagataggcc cccacacttg ccaatgtggt ttccaagtga tggacataaa   420

<210>   8349
<211>   461
<212>   DNA
<213>   Glycine max

<400>   8349

agcttataaa tcaagagatc ataaattcaa atttatatgg ggagtatggg ataagtgaac   60

gttctatatt gtatatattc tatcttgtat cttgatttca ggaattaaat tgtcatcata   120

aaaaggggg agattatata agcaaagaca ttttgatgtt ttgatgatgc caaggatca   180

tgcgcttctc aagtttaatt catgacaaga atccaagaga ttcaagatat atgatcaaga   240

taatctctag agatttagga agggaattcc aatttgaaac aacaagaggt ttggccaatg   300

aatttaagct aaaatgtttt tacaagagat taactctctg gtaattgatt accagtggcc   360

aaaatacttt ctgaaatact tttaaaatgt ttttagatgt atctgacaac atgtaatcga   420

ttaccagcag ttgataatat ttataacagc tattataaat t   461

<210>   8350
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8350

agcactcatg acacatgtgc tcatgcttcc cttctttgtg agttatagtt gcaaaggcat   60

gtcggcatgg catccctaca tcaaagttgt taaatcagca cacatgtatg ttaggaatga   120

caaaaaaact ataaagaaca caacctgtta gttgccatac tccacaagtg catgtccatt   180

cacctaaatt gacctcaacc ttatttccca catgtggacc tcatatctca ggcccatgtt   240

atcaccacac caaatgggag tccattgatt ancaaaatgg aatccttttt ctagtctttt   300

atactgcact ggacataatg cgccacgttn ttcagatagt ataaccttgt cggcagncat   360

ggttctcatg atataacttc taatttcttc aagcattgtg ataataggct tgcatctata   420

ctgcagaact ctggaa   436

<210>   8351
<211>   458
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8351

agctntggag tttccaagtg ccaattcgtc ttcttctttt gtccagactt cttctggctt   60

caattcatta gagggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat   120

gacagctttc caggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca   180

gtattcatag ttggttccat ccagaattgg tggtctgttc actggtcctc cttctttctc   240

catgttcatc agaatttatc tccctagatc tcactcagtg atttcgagtg cctgctctga   300

```
taccaattga aattctgata ctggggacag atgtcgtaca ggatgtcacg acatcacgct    360

tcagaacatg cagattgtct ttgactgtat gaacaaatta aacaagttaa taacacaaga    420

gaattgttaa cccagttcgg tgcaacctca cctacatc                           458


<210>      8352
<211>      351
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8352

tttgtattcc tcacaatgta ttctttgata tccttaataa aatgacatga atgtgtttcc     60

ttataaaaaa tctctatagt gccatgtaac taatatgaaa gtcacaagag gtaaagaata    120

ctcaagagaa ggttaacaag cggttgttga aactgacgtt cttcacaaga ggttttttcat    180

taaagcacac aaagtgccct acttgcttgc agtaactagc agagcactcg tattatactc    240

tttggcactc ntcatagtct tttttcctct ctacgttcaa ctgtaacata agagtaaaca    300

ggaatccgaa caatctaagt tatggaaagc ttcacgtgac aaagaagttc t            351


<210>      8353
<211>      389
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8353

gcttctttgc cgcgcctcaa cactgaccac accgttcccc tcccaaacat ctctctctct     60

ctctctctct ctcctgtaat gcaactctga gttcagggtt taaccaaggt tttgttttgc    120

ccaagacgct tatttctacc acctttcgta ggcctaacca ttgtattgaa actcaaatat    180

tattcatata attttacac cttttaattt cattgttgta caaatcaata taaatataat     240

ttctcaaata ataattatat aaataaaaca caaactggtt gtggccgcct gtgggcggta    300

ggcgctacct gtgggctgtg gctgttgcct tcttttcact tttttttttt aanaaaaaaa    360

aaatacatac tacagtngtc ttggttttg                                     389


<210>      8354
<211>      479
```
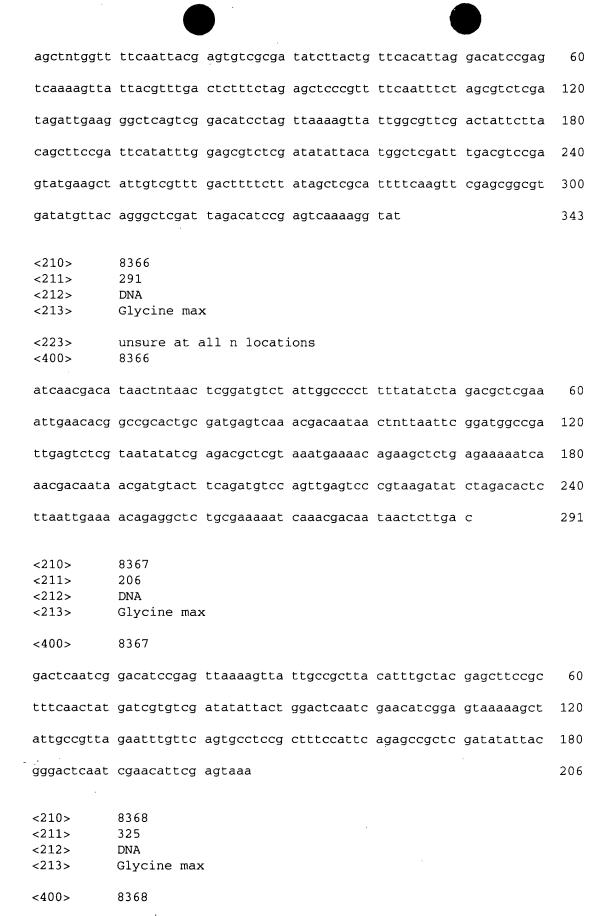
3553

<212>   DNA
<213>   Glycine max

<400>   8354

tcatgaagca actctcctag ggtcaaaagt caaaatatag tccctaaatg ttcttcgatg   60

aggatccaga atatgcacca gaataagcct caatatcctc cacttgcaaa gtaaataggg   120

cacaaacgga gacaaaaggg ctgggatcag ttgaaaagcc ctggatttag ccaatccctt   180 .

ataacaatag aatatgtatt atgtaaagtc cgttagagct gcacagataa ataaaatact   240

actatggaaa gaaagaaatg ctgcaagcca aaagcactta cttgcttatg tcatcaagat   300

ggtcatcaaa atctacaacg tcattccact tctcggatgc aatatagtcc aacaagacta   360

gatatgctga tggctctttg agagaaaatc gatggttccc atctgactga accaactctc   420

agttcttaga tgtatcccta acatatagct aaatcataag aaaaggcaat cttggtaat   479

<210>   8355
<211>   616
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8355

ctacacagac gactcntaaa cgtgtactca tcgtangact aattctaant ttcacaaata   60

nntnannnnn anaaaagagg tttgaaaccc tagttgcatc cccatagcag nacccgcgan   120

nccctagagn ncanccgtcg gcatgcaagc tttacaacag acgcctcttt actcctagtt   180

tttgaacgat angncaacaa ggaaacataa gtatattcac cacgacaaca tcatatgggg   240

aaagagaatg aagtgctatg aataaaaaga gccttccacc caagcataaa gaccctgcga   300

gggtaaccat gccccgtaca ataggacacc tcactatggg aaaggcacac attgacccgc   360

gagccacaac taaatagatg cgactctcca cgtgcaaaag gtggggagag tcggagatca   420

cgcccactag gaggactcta caacatgctg accgcgccat cacctcacca aaatggagta   480

cttgacgatg gactgcgcag agtgaaacaa cttatcttac acggccgaca taggggggaac   540

ggagatntgg gacgaaactg acatacctcg aagagtggga gaggtataca cgagaactac   600

aaactgatag ccgaag   616

<210>   8356

<211>   529
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8356

agccgcggtg agcctgatga cccttgaacg cttgaagccg cgcncatana aactcagcgt   60

tgagcgcagc acacagattc tatgtgtgct acactcctta tttcagtggg cgtagtatgt   120

ctgagaagag aaagtgacaa tgaaggatat attggagcaa actctatcct ttcaggaggc   180

tataacatca atctaaacgt gctccagctg gatttacagc taaaatctca ccggctctaa   240

atttgactct cccacacgca aatttaccct anctatggat cttanttcac tatggccatt   300

tgttcttctc tctagatagg ctaacctgtt tacatgttgt aaaggattta agctagggta   360

actcatatac acccatttac ccagaaacag atttaccttt cactctcaag cctcctatat   420

acacttatag acacatctac ttctacctag gtactctgct tcacctaaag cttcctaaca   480

ttgcgactaa ctcacagcac atataaacct accctgatgg catgtaccg   529

<210>   8357
<211>   347
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8357

agccttttat ctatagactc cttnttggnt tcttggatgc acatgatatc aatnttatta   60

gataaggtca gcttcttgat agctgaccat ttgataccat tacccaaccc tctagaattg   120

tgggacagaa tattcatgag tcaagttgtt cctttcccat cacagcttgt ggtgttgttg   180

atatgtcagc ttgtttttaat tcattcttca tgctgactat gttgcctgaa ttctcttcga   240

aagtcattcc taaatctctg gctacatccc aaaaaacact ctcttgggcc tccttattct   300

gtttggttga gttgcatgga agggtagggc tgagctgagg ctgaaac   347

<210>   8358
<211>   223
<212>   DNA
<213>   Glycine max

<400>   8358

```
cactaatgga tattctgtta cagtaaatct cttagcctgc gatattacac attataaaag    60

atacactggt tattaattaa atgcggaaag tacagatcag aaacatacct gctgccattg   120

ctatgaagag cctcttgtta tggatcttcc aagctctctc ttactgtctc tagatggcgt   180

ctcagactga attcgaatgg atgagatcat ggaccagatt cat                     223


<210>      8359
<211>      411
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8359

agcttcacac catagcaaca cataatctag gtatcaaaat ctctcaatgc aatggatttt    60

caacgtttga gaaatgaaat tgagaatggg gttaatttgg agcatactct cacctcacac   120

gagtctataa catcaattga aacttgttca aatcggattt acacctaana tgttcccgaa   180

ccaaaattng actcctcaac ccccaattat accctagaaa tggctcttta ttcactttgg   240

gcatctgatt ttctctctag cacagcccaa actttctact aagtcctaaa tgaacatgca   300

agctaggatt aactcactnt aacctccgaa taccacttaa tccagattta gccttaccac   360

tctcagaacc tcactcttct ttcactcata acaccatatt ctgactttct a             411


<210>      8360
<211>      417
<212>      DNA
<213>      Glycine max

<400>      8360

ctcatcttgg tggtgaagct ccttcttcca tggcttattg cctattggat ggagcctcct    60

ctcacctctt ctcctatgtc ttctgctgca tctacatggt ggaaaaccac cattagagga   120

cctcattgaa gctcacagat acagcctcca tagaagctcc acaagcaagc ttccatcatc   180

ctcttaatca cccatcgtca tagatctgga tttggtgcga tagggatgcc ttggggcgcg   240

tttagttatg gtatttctcc tataaaacca aacgtgagga gtacgtacaa ataatgaatg   300

catgctagat ataaaatgtg ggagtgattt gattcgcact gacttttgga gtagaaacgc   360

gggataaact cattttattc agacagtgta tactactcac gatcagagtg acaatac       417
```

<210> 8361
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8361

```
agctntaact gaaacattaa gtaagttgcc aatttatctt tctgctattc aaccttcacc      60

ttcttctgtt ttgcaggttg catgttgtgc tatttgtggt ggtgctcatg agtcaagctg     120

ctgtattccc actgaggatc atgcacatga agttaactac atgggaaacc aacctagaca     180

aaattttaat gcaagtggat tctcaggatt tcagcaaggc caaaattata actagtagta     240

tggacagtgg agagctcatc ctggtaatca attcaacaaa gaccagggag ggccatctaa     300

taggctgcaa caacaagggc ataatctcta cgagaggaca acaaagctgg aagagactct     360

tgcttagttt atgtagggtt caatat                                          386
```

<210> 8362
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8362

```
tggacttacc ttgagataat tncttggata gtctctttga gccttgtttc cctttccttg      60

tggtgaagct cactacaagc cttaagtgaa naaccatgat atcaccatat ccttaaggaa     120

ttctggagct ttgcaattgt tttgggaata tgtgtggggg gtttttgttt cattggataa     180

catgttttgc tggctatgct tcatgatgta ttttgcgcca tacttgatgt acattgcata     240

tcggttaaat gttggacatg ctgaatgaga tgttgtttct caaaagctac agagcagaag     300

tcactaatcg ataaagacaa agagtagcta tacagttgag tgaataagat cttatatggc     360

gaaagaatga tgagactctt ggatctactc tctatgtgta aatcttatct atagttctct     420

tatttttatt tctcttaata tgcatatatc tccccattct catcta                    466
```

<210> 8363
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8363

```
agctntgagg gtgcgtagcc caccatcttt ccatttagtg tatcgataat gtgtctacca   60

tcacgatcat cgtctccctt tccatcattg ggggtaccac ttgggccgcc agatccctcc  120

accttttggg cgtgttcttt gaaagatccg tcccccttttt tgcaaatgtt ttgtagttgc  180

atcctatcca gaaccatatc aaaattgtac taatactgcc taacaaaggc aaccattagg  240

tccttccaag aatggactcg ggaagattcc aagttagtgt accaggttac agctacccca  300

gtaagacttt cttggaagga atgtatcagc aattcctcat cttttgcgta ttcccccatc  360

ttctgacaat acatctttag attggtcttg ggacaagtag tccccttgta cttgtcaaag  420

tccagcacct tgaacttgga atgaccatgt ttgggtat                          458
```

<210>   8364
<211>   486
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8364

```
gctttcttgg agaaacttnc ttgagaagct tctntgagag aactttcttg agaagctata   60

gcttagctac acacacccct ctaatgacta agctcacctc cttgagaagc ttgcttgaca  120

agattcctaa agaagctaga gcttagctac acacacctct ctaatagcta agctcacctc  180

cttgagatga gaagctagaa cttagctaca cccncnccta taatagctaa gctctacccc  240

atggcaaaat acatgagaat acaaaaaaaa aagtccctac tacaaagact actcagaatg  300

cctcgaaata caaggctaaa accctatact actagaatgg ccaaaataca aggcctaaac  360

aaagganaaa acctattcta atatttacaa agataagcgg gctcatactt agcccatggg  420

ctcanaatct accctaaggc tcatgagaac cctanggtct tccctgggat ctctggccca  480

atctac                                                            486
```

<210>   8365
<211>   343
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8365
```

agctntggtt ttcaattacg agtgtcgcga tatcttactg ttcacattag gacatccgag    60

tcaaaagtta ttacgtttga ctctttctag agctcccgtt ttcaatttct agcgtctcga   120

tagattgaag ggctcagtcg gacatcctag ttaaaagtta ttggcgttcg actattctta   180

cagcttccga ttcatatttg gagcgtctcg atatattaca tggctcgatt tgacgtccga   240

gtatgaagct attgtcgttt gacttttctt atagctcgca ttttcaagtt cgagcggcgt   300

gatatgttac agggctcgat tagacatccg agtcaaaagg tat                     343


<210>     8366
<211>     291
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8366

atcaacgaca taactntaac tcggatgtct attggcccct tttatatcta gacgctcgaa    60

attgaacacg gccgcactgc gatgagtcaa acgacaataa ctnttaattc ggatggccga   120

ttgagtctcg taatatatcg agacgctcgt aaatgaaaac agaagctctg agaaaaatca   180

aacgacaata acgatgtact tcagatgtcc agttgagtcc cgtaagatat ctagacactc   240

ttaattgaaa acagaggctc tgcgaaaaat caaacgacaa taactcttga c            291


<210>     8367
<211>     206
<212>     DNA
<213>     Glycine max

<400>     8367

gactcaatcg gacatccgag ttaaaagtta ttgccgctta catttgctac gagcttccgc    60

tttcaactat gatcgtgtcg atatattact ggactcaatc gaacatcgga gtaaaaagct   120

attgccgtta gaatttgttc agtgcctccg ctttccattc agagccgctc gatatattac   180

gggactcaat cgaacattcg agtaaa                                         206


<210>     8368
<211>     325
<212>     DNA
<213>     Glycine max

<400>     8368

```
cgcacccttc ttcaaacatt cggtcatagg acttgctata gtgctaaaat tctggataaa    60

gcgtcgataa gatgatgcaa gaccaacgaa agatctcacc tccgaaactg ttgtaaggct   120

cgggcaagtc ttgatagcat ccacttttgt ttgatcaacg gatactccat ctttagacac   180

cacatatcca acaaacacca cactctctac caagaaatca cactcttccc tcttcccata   240

gagtaattgt gctcttacgg tctcaaatat ctgtttaaat gagtgaaatg ctcctctata   300

gacttgctat acaccaatat gtcat                                         325
```

<210>   8369
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8369

```
agctngacaa actntagcca aatagcagtt gttgttagtg ggcatttttt nttatccata    60

ggaattaaac acaatactag gaggtttaca acactcacac accctgctca accaactaag   120

ctggatccct tggttagtag gcatctacac aagttgaata aaatgttttt tattctttat   180

ttctaataaa gacttgaatg aaacacaaat gtgcagtatc ctgtacaata atatggtctg   240

aattctgaac agcaattgtg aaacaatttt tatataagct tcctaagctt gttattgatt   300

tctttgtgtt ttctcatgca gggagttcgt ccctgcgaca aaaggagaag catcagcgag   360

tatcaatccc tatttcctgc aataggattt tcactggcaa gtacctaaaa tttatcatgc   420
```

<210>   8370
<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8370

```
gcagcttcag tacttgcaag aatgccacag gtnattatta tataaactaa cacacattag    60

ttgcatgaat gtactaaaag taaacagaga catagtagaa tcgaacaggt tatttcatca   120

gaattgattc cagtaaagca aagagatgtc tgaagtgacc aagtaaaggt tatcacttat   180

caacctttga tttaaagtgg gttaagttca tgaggtgctc tttttcaaatc cacagtatgg   240

tatatttact tttccacttt acacatctcg cttttcagga tccaaatcct acatccatga   300
```

```
<210>        8371
<211>        358
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8371
```

agcttataat tataggatag aataattagt ntctaacttt gntctcatga atttcttgat   60

ttcattgctt ctaactctga agggtaagac attaatatac ctctaggtgg atgtatattt   120

ctctgtgagt aattcattat ttgccatatt ataaatgaaa ttcttttttc tcatttttta   180

ctcacttttc tattgcaggt gcagataaga ttattatcca ttatggtggc gacactgctc   240

aaagccaacc actaggaacc tatatatggt atacaagtta tgctcaaatt cattgtgttt   300

tactctcatg gtgatactgc tctttcagga taatcactag actnttattc tgcaccag   358

```
<210>        8372
<211>        292
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8372
```

gaccacacag tggtacctgg agatatgtcg cggnggtcac gagaccttgg ggacgtcaag   60

tggggtgcta ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg   120

tcagtgagaa cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataanagg   180

ataacaagac cacatagcaa ggaggcttgt ggtggctggc cacctgtgaa ctttgtataa   240

tatgtggatt gtggcctctg gtaatcgatt actaanggtg ggtaatcgat ta   292

```
<210>        8373
<211>        366
<212>        DNA
<213>        Glycine max

<400>        8373
```

agcttattac aatattataa ggaatataat aaatttgttg atattcaatt atgattattt   60

acatcttaaa gaaaatctta taatattaaa acatatatga acgtcaatgg gctctcttgt   120

```
tgaatggatt tcacaaaaat atttggtaaa aaatacacat tagacaatct cacataaatc    180

ttgagatttc atatactttg ttttctttta ttggcaatcg acatgtttcc ttatcttact    240

catacataat ttcatgtcta tatgttgaaa gttggagata tttataaggt atttttactc    300

tattatccca tcaacaacat gtcctataat gtgttatttg agagatctcc caacttttaa    360

aataca                                                                366


<210>      8374
<211>      386
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8374

taccatggat ggttaaacat tagttagtgg tttgcttctg tcctttangt ggtcaagtgt     60

gtttgcttgt gttgagtggc taagccttgt gttatggctt ctgcttaatg gttaaacata    120

ttccaattgt ctttgaatgt tttcagtcat tgtctatctt ttgctgatgt atatacggca    180

tgtttcattg tattgcgctc tcattatgta cttgtattgt tcatcccacg ctggaagtgt    240

tgagtccacc ttctagcttg tggaggggct gttagagata agtcccagat gcattggttg    300

tcctagtcat tgactcactt gctgttcttc gggttcgatc tggtcaagaa ccatcttctg    360

ggtcaagata ttgtattgta aatgct                                         386


<210>      8375
<211>      460
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8375

agcttgccgc tagagctgac ccatctactg ccctaactct tttagactgg tgatccctag     60

gctcttgacc ttgacttgat agaacctctt tttaagcgaa ggcgtttgac ttgatcccat    120

gttttactaa agtgaaacaa aatctagtgc gaatcaaaac tccgacatct atcatgggtg    180

gaatggatta atgcatgaag aaatgcatat gatacagatg caatttatga atacgggagc    240

ccgggaaatt gtctccttct tagatacaac gtcttggggt agcacagtgc ccgacgtatg    300

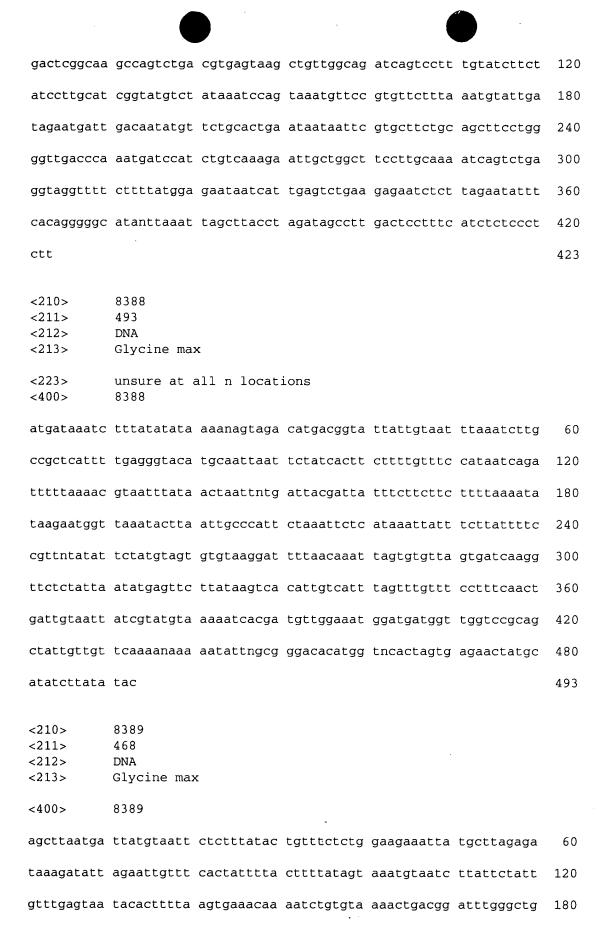tatttaaggt gacatggacc cttcgttggt ttgccaaaga gagggatca agacagaacc    360
```

cgtgaacgat gcatatgtga aaggcacaat acgtggatgt acatagtacg gaaatattca   420

caagccaata taagaanaag ggtacatgac acttatgcat   460

<210>   8376
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8376

cctcatcgtc cctcacagtc tttagatttg ggagccaatc caatccttgt gttcggactc   60

tcagccactt atgatagccg ccgatgatcc cattactgct tcccctaagc tctctgtcct   120

ttcttcacgc cgcatcccat gccttgcgaa ctccttggag taccctcgcg ttgtggtcac   180

tgaaaccccg tgcgatgaaa ggcgtgatgc tttcgtctaa tggcgcctct ctcatgcggt   240

agccaagctg tcttatggcg agaacgggat tataattaat acaacccctt gttcccatca   300

agggaaacat tggacatnct tcgcatgaag atagaatctn tgattcttct ttcttctagc   360

gagggagacc aataacagaa cgcccccca tgc   393

<210>   8377
<211>   391
<212>   DNA
<213>   Glycine max

<400>   8377

agcttgaaca gttaccaatc tccaaatgaa tcttccctga caacatgtta tcatagagaa   60

acattatctt caatttacca agcctcccaa cctctctggg gagatcaccc tgtaaattgt   120

tgcgaaacaa tgcaagtgtc tgcatgttag tgaggatccc tatgaaagga gagattgaac   180

caaccaaagt gttggtttga agcaatagat cagttagccc caacaaccca taaacctcaa   240

taggtattga cccattgaga aaattgtttg acaaatcaag ttgcttgagt gagtggcacc   300

gacccaactc agctggtatc tcaccatgaa ttccactacc tgacatcatt aaattctaca   360

cacttgtaac attggaacat atggttcttg g   391

<210>   8378
<211>   349
<212>   DNA

<213>   Glycine max

<400>   8378

ctccatgtca acgctcatca ttgtgatgtc tgtgatgata ttagtggtgg tgagtcgcaa   60

caagatgatc tgttagagta tcacttgaag ttctgcacat atcctctgat ggcaatcaga   120

acaaggagaa gtgaaacaga cggtagagag aataagttgt cactaacatt ctagttcaaa   180

acattgtgtg ttgatgtgga atgtcccata cacatgtgcg atttgacatg ttagcaatga   240

cgtgctacgt atgcactcca cattaacaga catagaaatc actcgatgat atgactaaat   300

agtcatcata tctacacaat tgatattttt atactagcag agaaaattg   349

<210>   8379
<211>   338
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8379

agcttattaa tatatgattt aaaacaatga ttattgaaga gtctatacat gtttccttta   60

atgagtctaa tgccattctt ccaaggaagg attttntaga tgatatctta gattccttag   120

aagatacaca tattcatgga aatgactcta ctgaaaaaga tggaggaagc aatgaagatt   180

cttacgataa tggagttaga gcaaataatg aacttccaag acaatggata gccttcagag   240

atcatcccct tgaccacatt attggcgata tatcaaatgg ggtaacaact agacattctc   300

ttaaagattt atgcaatatt atggcttttg tatctatg   338

<210>   8380
<211>   352
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8380

cttcataaga atggatcctt ctcttagttt gtcttagaag ctatcaggaa acactccaag   60

cagacatgtg aagagatctt gaagaaagct gtgattgggt accaatccat acttctttaa   120

tgacagcttc cattctagaa tagtttcaac acgtttagaa attcccgatc tctgcaagtt   180

aataatagaa ctatatatga atacattgtt ctttacttct acactacaag tatcaatatg   240

3564

```
aaagatatat gtgataatct ggtatatttg ggataaattc tacttataag aggagaaaat    300

gatactaang gtaaaactta catacagtac catggtatgg taccataagt ac            352


<210>      8381
<211>      511
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8381

agttggccgt gtagccggat ccttaagcac ctgcggctgc agcttgacag tttgngaaga     60

ggttntgatt gatcaaaaag aagaatctac ttcaaccgat atgcccttag gcacggcaat    120

acataacata gaaatcacac tcggaaaggg tggacaatta gctagagcag caggtgctgt    180

agcgaaacta attgcaaaag aggggaaatc ggccacatta aaattacctt ctggggaggt    240

ccgtttgata tccaaaaact gctcggcaac agtcggacaa gtgggaaatg ttggagtaaa    300

ccagaaaaat ttaggtagag ccggatctaa atgttggcta ggtaagcgtc ctgtagtaag    360

aggagtagtt atgaaccccg tagaccatcc gcatggnggt ggtgaaggga gggccccaat    420

tggtagaaaa aacccgcaac tccttgtggt ttcctgactc ggaagaagag caaaaatgga    480

agaaattact gatattcgat tcttcgcgtc g                                    511


<210>      8382
<211>      395
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8382

cttctcatca atggactcct gacgtatacg aatgagtgcg gttcgttcga taaattccta     60

tctctntatc tatttctgag atgtttggat ttttcaaaac tccatggaca tgcagaagag    120

aaatgctatt cccactcgga ccaagacata actttacttg ttcaaataac aattaaggtg    180

aagcagagtc aggaacaacg aatcccttta tgataaacag attcattttg caagttcgtt    240

attacgggta gttcctacaa aggatcggac taatgacgta tacaatactt gaattctcga    300

tgtagatgct acatagttgg ttctcatcct tcacagacta cgagtataat angagcatcc    360

gtcaacanaa ggatcaccct aagatgatca tctcg                                395
```

<210> 8383
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8383

agcttgtttt gtgtataaaa aatgatgcat atgttaccaa taatgtgaga aataataact   60

ctaatttagg gggaaaaagg ataaattgaa aacaatgaat gatatatgcc taaaaaatga   120

aacttattag acatatgaag aaatataaaa atcaaaattg atttattaat ataatatcca   180

gctcaatatt taaccagtta atttatatta tgaagttatt ttttaattaa ttgactgcgt   240

gacatttgtt ataaatctga attagaatat acattattgt tatcatttaa taagttgaat   300

ctagatatat actcgtggta gtaatttgaa tgcttaaatc ataaaaatta tacttattat   360

aacgacctta cttatgtatn ttttaataaa tagagaaata atacaaatta ttctacttca   420

atgaaatata cgatatataa tattttatat gaaat   455

<210> 8384
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8384

ctaagcttag tcctgttgat ctgangttga aggtaggacc cccatacttg gggtatccac   60

aactctggca tgctgtcctc ttcttgaaat ttatatgctc gcaaacacca cacatccaat   120

ctcctccaga ccagctcatt ttcctgatca atatccacac ttgaattttt gaattataag   180

aatttttggt tccatcaatt ctcggtgcaa ccagataagg actatatgtg catgtagcct   240

acttacacag taatgagaaa tattattagt ccttgtttta tgcattatga gttatgactt   300

atgaccctaa cttctattaa aggcatgcaa ttttctatcc atatataggt tatntgcaca   360

aagaactact gtcttgggtg atagaatact ctgtcaagat ggcatagcaa tcttgtcaag   420

ttttctactc tactcaatat taatctattc at   452

<210> 8385
<211> 417
<212> DNA

<213>   Glycine max

<400>   8385

ggatcttaag cgactgggct gcagcttata attgctagat tgggagggat tttattatac   60

aaatttgttt tcaatatcaa aagaattccc attgtgattg acaggttgca ggctattaga   120

ttagattaga caaacttctt ttcaatatca aaataaattt agaaacagag taacacagga   180

actttgtttt cttgtctcat attttttctt aattacaagt ctaacagtag tctaatagtt   240

gcatattagt atcctaactt accttttttt tttcttaacc atctcattca tcagggaaaa   300

agaatcctaa ctaatccaca taatttatgc agtgtataca gtcatctata catcctaacc   360

aaatgacaga agataacaat tcaatttaga catcctaacc aaatgaaagc aaaatac   417

<210>   8386
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8386

atgtcagttt actgcaactg acaatggctg cgccgaaccc ttttcaacct gccactcgct   60

aaatactctg gtcctatgct ctctgcacat tgatgcanaa gtactcttca tatctaattc   120

taacctttcc attctgaacc tgaaagacct gaagatcttg dacaccattc aacaaaaaat   180

tgtgttttct actccaaatc ttagttctct cacaatcacc aattatttat gtttcagtca   240

tcaaccattc tcctccacat gcaatctttc gtgtcttgaa gaaggaacta ttcacaccac   300

tacttatata tcttactcgg tctgtatagg ctggctgcaa ctcttcgcta atgtaaagat   360

attgaaactt tcttacgata ccctgagaat actgaaagta agttttcttt agttaggttt   420

ctactctcct tttctttntg atataatcct cat   453

<210>   8387
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8387

actaaatctt gtcttttctc gcttgaagct ctccaattgt ctgtagaaga cagctcaaag   60

3567

```
gactcggcaa gccagtctga cgtgagtaag ctgttggcag atcagtcctt tgtatcttct    120

atccttgcat cggtatgtct ataaatccag taaatgttcc gtgttcttta aatgtattga    180

tagaatgatt gacaatatgt tctgcactga ataataattc gtgcttctgc agcttcctgg    240

ggttgaccca aatgatccat ctgtcaaaga attgctggct tccttgcaaa atcagtctga    300

ggtaggtttt cttttatgga gaataatcat tgagtctgaa gagaatctct tagaatattt    360

cacagggggc atanttaaat tagcttacct agatagcctt gactcctttc atctctccct    420

ctt                                                                  423


<210>      8388
<211>      493
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8388

atgataaatc tttatatata aaanagtaga catgacggta ttattgtaat ttaaatcttg     60

ccgctcattt tgagggtaca tgcaattaat tctatcactt cttttgtttc cataatcaga    120

tttttaaaac gtaatttata actaattntg attacgatta tttcttcttc ttttaaaata    180

taagaatggt taaatactta attgcccatt ctaaattctc ataaattatt tcttattttc    240

cgttntatat tctatgtagt gtgtaaggat tttaacaaat tagtgtgtta gtgatcaagg    300

ttctctatta atatgagttc ttataagtca cattgtcatt tagtttgttt cctttcaact    360

gattgtaatt atcgtatgta aaaatcacga tgttggaaat ggatgatggt tggtccgcag    420

ctattgttgt tcaaaanaaa aatattngcg ggacacatgg tncactagtg agaactatgc    480

atatcttata tac                                                       493


<210>      8389
<211>      468
<212>      DNA
<213>      Glycine max

<400>      8389

agcttaatga ttatgtaatt ctctttatac tgtttctctg gaagaaatta tgcttagaga     60

taaagatatt agaattgttt cactatttta cttttatagt aaatgtaatc ttattctatt    120

gtttgagtaa tacacttttta agtgaaacaa aatctgtgta aaactgacgg atttgggctg    180
```

3568

ttttctaagg agaaggtatg cattccataa taattataag tggtacaaga ataatgtttc 240

ttccattta tctatgcaag taattcttgt ttattgttta tcttcagctc tttactaata 300

ctagtatatg ctggttaatt tcaaggtata tagttagaaa gagcataaag agtgcagaag 360

acatagttcg tttcccttc caacagaatg ccaccatact ttacttatcg cacactgtgt 420

acagaggcag agagaatctt ccattactta ctgggcacta tgtaagtt 468

<210>   8390
<211>   312
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8390

ctaatgtgtg ttcccgtatg atgcacaagt tgataaaata atattnttca ttttctaaaa   60

attaatttaa gattaaatat atctttaaca gatagtacag ttaattatat tatgagaaaa   120

aagtcacgca ttgacatata taaatgtgta ttatactctt actttttttt aacataccac   180

tcttttcttt atataccact ctgagctgat tatgtaaaag agttaagctc aagttttct   240

tttaatttca tatattacat gttaagctca ttcttttaat tatcttatat aaaaacattg   300

attaaatatt at   312

<210>   8391
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8391

agcttgcatt nggaattgcg aaagcctcac tctatcatta tgattagtac ctgacatctc   60

aaacaaacaa atcaaacgta acaagacaat tatagttgtt gtttgaatac ctcacccact   120

caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgcctt ttaccactct   180

aattcccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac   240

caatatgtgt aaggtaaggc tagagagaca aggaaaaggt taaccaagaa aaggctaaca   300

atggttttag gcacaaatga aggaaataaa attcagaatt tatgaattca agtaacaatc   360

cttcatgcaa ccaatatatt accttanaga gatttttntt aaagttctta agcatgaacc   420

attcacccaa tttttttnttt ttt   443

<210>   8392
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8392

cattccaccc aaacgcaccc ttcttcaaac attcggtcat aggacttgct atagagctaa   60

aattctggat aaagcgtcga taaaatgatg caagaccaag gagagatctc acctncgaaa   120

ctgttgtatg gctcggccaa gtcttgatag catccacttt tgtttgatca acggatactc   180

catctttaga caccacatat ccaagagaca ccacccttc aaccaagaga tcacactttt   240

ccctcattcc atagagttnt tgtgctctta ggggctcaaa tatttgttca catgagtgaa   300

atgctcctct atagatttgc tatacaccaa tatgtcatca agagtaacaa caacacactt   360

ac   362

<210>   8393
<211>   361
<212>   DNA
<213>   Glycine max

<400>   8393

agcttgtaga atggctagac atgatacatg tcttggtttg gtttggctca aggataaaag   60

ggatgcccca cattatttcc atgacacata tgcaaaaatg atgatttgga aactttatgc   120

aaaactggtc atgcatgcac ctatgtggac actcaagtgt caaattttta tggtcatgtg   180

atgctagggc tcaggattca tttcctctat tatagtcaac ccaacgtttc caaaatatgt   240

tcttttatca atttgcgcat tcatccgagt ccatattgag cgtctgggaa aatctttaca   300

gcattcaccc ttcacgtgta tacacatttt ttcaaaaact aactatgatc agtgatattt   360

t   361

<210>   8394
<211>   306
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8394

agctgaccca tcaactgccc tatactcttt agactggtga tccctangct ctcgaccttg   60

acttgataga acctctttct aagcgaaggc gtttgacttg atcccatgtt ttactaaagt   120

gaaacagaat ctagtgcgaa tcataactcc gacatctatc atgggtggaa tggattaatg   180

catgaagaaa tgcatatgat acccatgcca tttatgaata ccggagcccg ggaaattgtc   240

tccttcttag atacaacgtc ttgnggtagc acagtgcccg acgtatgtat ttcaagtgac   300

atggac   306

<210>   8395
<211>   147
<212>   DNA
<213>   Glycine max

<400>   8395

agcttgcttc tacagcttgg agattgtatg tatgtactgc ttgttgccga accagtataa   60

aatactggcg tctgtcttct tctctcccta cacatcttta tctttccgct agcgcactgt   120

ttagattatc tgcttttaca ttttggt   147

<210>   8396
<211>   373
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8396

gaagtgcctt atgaatcctc ccgtacttat gccaccagta cctggaaggc ctctcatatt   60

gtacatgaca atcttatacg agtcaatggg gtgtatgctg tggcaacatg atgaatccgg   120

agagaaagag cgcgctgttt actacctaag taagaagttc acgacctgtg aaatgaatta   180

ctccctgctc gaaagaacgt gttatgctct antatgggca tcccatctcc tacggcagta   240

catgctgagc catactacct ggttgatatc caagatggac ccggttaagt acatctttga   300

taagccagct ctcactggaa gaatcgcccg gtggcaagtg ctgctattcg agtgtgatat   360

agtctacgtc acc   373

<210>   8397

<211>		397
<212>		DNA
<213>		Glycine max

<223>		unsure at all n locations
<400>		8397

agcttgttac tatgataaga gcatacctgt tgtttcctga agtccaagta caagactttn		60

tgtcaataat atcaccaaaa actatcacat taacaaaatc acagcctcta agatttcgac		120

aaattattag gtagccttga agcattatgt ttttatgatt ctaatctacc attctcttta		180

tatataatac ataactatat tttttaattt gtaatttatt tataatattc aattatgtta		240

tgtaaaaaaa tagttaaaat aattaacatt ataatgattt tagactatct aataatttct		300

agtaagattt taatgtataa caaacctgga agcacagaag gctaccacat aatccgtccc		360

agaacaagtg aaaatactag ttggatcatc ataagca		397

<210>		8398
<211>		392
<212>		DNA
<213>		Glycine max

<223>		unsure at all n locations
<400>		8398

atctcataat aatggaatct ttacaaataa tggtacacgt actagttatc ttttttaaa		60

atttaaaata ttnttttata aaaaaaaccg tattntaaca aatattggtt ttggtgttat		120

tttaacaaat atagttggac atacatgatt ataaaaaatg gttatataaa aatttctatc		180

tataacttca tttgtacggg tgngtaaagt gggctgaccc accccgctta aagttcgccc		240

gcattggcag cggactgtgt ctgtccgtcc cgcattctta cactgatcaa ataaatagat		300

ctgtcccttg ctcgtgaacn ccgcgggtca catgagcatg tntgcangca taactttaa		360

agaatntcaa tcttaatana aatacaacat aa		392

<210>		8399
<211>		394
<212>		DNA
<213>		Glycine max

<223>		unsure at all n locations
<400>		8399

agcttgaagt gagaaagtgt ggaagagtca gttttcctac ttgtattcgt tgaccacaga		60

gtggtacctc aagatatgtc gcgggggtca ggagaccttg nggatatcag gtggggtgct 120

attgcctaaa accaagcttg accaatcccg acccaacccg ggcatagtta gtcagtgaga 180

acctgtgacg tacctcaaca ggcgagctcc tggcagtcaa ccgataaaag aacaaagacc 240

acaaagcaag gaggcttgtg tggtggctgg ccagctatgg atcttgagtg atatttggaa 300

gatagcctct ggtaatcgat tacaaaggat gtgtaatcga ttacaaggct taacaatgga 360

gacaggaagt taagatggcc tctggtaatc gatt 394

<210>   8400
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8400

tgaaggtgtg tagtccacca tcttttcata gtagaatact ggtaatgtgt ctactatcat 60

tatcatttnt tctccgtcat tgaggtgcca cttgagctgc caggtctctc cacctttggg 120

cgtattcttt gaaagatctg tgcccctttt tgcacatgtt ctgttgttgt atcctatccc 180

aagccattat accgacacta cctagcgaag gcaacaatta ngtccttcca ggaatagact 240

cgggaaggtt ccaagttagt gtaccaggta acaactaccc cagtaagact ttcttggaag 300

gaatgtataa aaaattcctc atcttttgcg tatgcccca tctttngaca atacatcttt 360

agat 364

<210>   8401
<211>   369
<212>   DNA
<213>   Glycine max

<400>   8401

actaagctca caccatgcca aaatacatga aaatacaata ggaagctttc ttgagaagca 60

aggaaggtag catccttgag aagctacagg ggggctactc acacctctcc attagcaaag 120

ctcgcccca tgccaaaata catgaaaata caatggtaag cttccttgag aacaaggaag 180

gtagctttct ttggaagcaa ggaagaaagc ttccttgaga agctagaggg gggctactca 240

caccccttca atagctaaga ctcaccccat gccggtatac atgaaaatac agacaatgtc 300

tttactacaa agattactat gatgccctga atacaaggcc ttaaccctat tctactatgg   360

taccctaa   369

<210>   8402
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8402

tcatcaagac aaacatctaa tcattccaat ccactcaatt catacacttg ctcaatcaat   60

tcattctcaa acactcattt catacaaaac aatccactgc ataacatttt caatcagctc   120

actgttcaaa caagctttct gtacaagcaa tcaaacaact acactacaac tgacatttaa   180

ataactgaaa tctaaagaac taaaacataa agactgaaat ttanatgact gaacataaat   240

cataaaataa ctgagataaa ctaaatcgtt caaattgcac aaaattacat gtcctgctcc   300

tgtgattgct cccgtgcatg ctcattgaga tccaacacct gagcagctgg tgaatcctga   360

ggaataagct gctctagctc aaatagctgt gcanatggca tggaatcatc acagtatggt   420

actgg   425

<210>   8403
<211>   467
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8403

agctntatca aatttccctt ctaataagtt ttgtattcca agactttcgg tttggtatgt   60

atgatttcct agtcttggaa attagtggta taattntcaa ggggatacct gtgactcgat   120

tggtgaaata ggatctctct tcaaaaaagc atgttttttt taccattgca aaaagaaaag   180

atttgttgc gaatgaacaa gatatcgaga aattgtccat acgtaaaatc ataattattg   240

atacaggcct tttccacgta aaaagagaat cttttgttac aatagaagca gaagtgatat   300

tgattattca agaatcgaag tcaatttgct ttatacattt acataatata tggcataata   360

gagcctgcga ttctttgatt tgatgtctag tcaaatntca aggtggaagt tatagttctg   420

aatttatcca tgttangatg ggaaaatgtg aaaaaaagtt ggatatg   467

<210>   8404
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8404

acatccgatg acttagtcca actggacaag taacatgtct agaaacctct ttaaggataa   60

gctcaatata ctggtattca agtatactcc cgttcctgct gggagttaag gtgaagttat   120

tacactaaat aactcatgga tgacatttat aggtttacct gaatggatag atatacaatg   180

atttaccaac caaattggat taagatntaa aaatatatta tgttgctatt cttttcattg   240

acttgtaact ataaattgca tgagattctt tcagatctta caacatcatt aaaatgtaaa   300

caataaaatc atgattataa ttncttatga ataagaatct tataaatcat tatattctgt   360

ataactaatt agaaattaca tacattttct atgccagaat agttttagaa atctcaatca   420

ataccttctt aattcaacg   439

<210>   8405
<211>   284
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8405

agcttcttct agacttatct cctcactact agataataca ctttcaacat cggttatta   60

gaacattcta catcggttct aaaaccgatg ttgaaagtga cgatgttgaa tgtatgaatt   120

ttaacatcgg ttttggagaa ccaatgttaa catacatatg acaacatcgg ttctccaaat   180

acccgatgtt aaacacaatg aacaacagca aaaaaagtgc aggcatgatg aacgttgaca   240

tcggttnttc agtaaaaccg atgttaatat gttagtttaa catc   284

<210>   8406
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8406

atgtatatgt ttggtcgaag tgaatgataa atctaagttg tctcttatat catgtgaagt   60

```
aacgaatgct tgaagttact ttattaggct gtttctttnt tttttttttac cgatggggtg    120

caattttttt cactattttt caaatgggag tagtgtttga attattttttc aaaagagggt    180

gagttataac agtgttgcga ctttagagtt ttcaagtgta acacctgtta tgactttaat    240

tttttttaac taaaatagaa aataattcta caattttagt gtaattttttt ttgacttcaa    300

agatataagt ttctttttttc ttttccacta ctctgacagt gtaatatata tatatatgat    360

t                                                                    361
```

```
<210>      8407
<211>      343
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8407

gctngagatg aggaagtgta gaagggtgaa actttctgct tttattcgtt gaccacaaag     60

tggtacctgg agatatgtcg cgggggtcaa gagaccttgg ggacgtcagg tagggtgcta    120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcag tcagtgagaa    180

cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaggacc    240

acaaagcaag gaggcttgtg tggtggctgg ccagctgtga atcttgtgtg atatatgggt    300

tatggcctct ggtaatcgat taccaagggt gggtaatcga tta                      343
```

```
<210>      8408
<211>      436
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8408

tatgccaaaa ctntcattat attcttcgga tatagtatct tcaaagcttg agtgttgaag     60

tgaccaaatc ttcaatgcca taaccatgaa tcatcaattg taactctcat ggcaatgcca    120

gtattagtag tatacttaaa gcttattgga aaaaacttat atttcctttc tccattttaa    180

ctntggcaat ctcttgcctt ttgggtattt ttatcataga taatgcacgt atcttcttca    240

aggtgaagat aatagccttt ctccatcatt tagccaatgc tcaagagatt atctttatga    300

tttggaacta gtaagacatc tttttatgat ctcttacctt tctttgtctn caccatgaca    360
```

gtgcactttt cttttgactc taccatggtg gtcatttcca attgaactnt gactctgaca   420

gtggtcgcaa tttcct   436

<210>   8409
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8409

gatctctgag tcacctgcgg catgcaagct nttcgattca ttctatgcac ccatagatgt   60

tcacattgtg tttagtgcat ttnttctcgt ttagtttact ttttataccc cctgttgacg   120

tgcttaagcc attttactta agtcgtttct cgcttaactt aaaaataaaa taaatatcca   180

ccgaacgttt gaattgtatt atccattaac tttggttaan atcaattccg accgttcggt   240

cgtgccgtaa ccacgttgga aatcaaaaag aggtaaaaaa taatataata atcaaaaaga   300

catctttttat tgaaataaag cggaaaatca attggacatt ttctctttgg gatttctcat   360

tcttaatcga attgattaat aactaaagtg aaactaaagg ctaaaatcaa tccacctagt   420

caagctcgtc cacaaaaata agcttttgaa gttcgtcatt tcattttc   468

<210>   8410
<211>   294
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8410

gagaagtgta gtagattatg gttcagttct ttacgcactt ctctctcttt ctaatatgct   60

tatgaaaatt gtttgcgtga agaaatcca agccgaggcg cttccgtagc gctttcgtga   120

gtgattctgc gaaggttntc gaccggtctt cgacggtctt cattcgttct tcatcggtct   180

ttcatcttca tctggtatgt acctgagacc aagcttgtca attcattcta tatacccgtg   240

gtggtccaca tgtggttcca tgtatgttta ttctcgtttc atttactctt tata   294

<210>   8411
<211>   351
<212>   DNA
<213>   Glycine max

<400>   8411

ccaacttagt tgattgagac cgattgggat acatgatgag gttgtctttt gcgggtatag   60

ctatgatgaa ttttccttcg agtctttgac atggtgggct cacacgagag attccgttgt 120

gtgcacgata tgaaggaatc ttgatcataa cattttgaga tgaagatttc ccactttgcc 180

aggtatataa atacggcaac gcttaaaact gctacagcac gttatattat gtgttaattt 240

atatgtgatg caaccgaaaa caccaatgaa tgatcaatct atcatcgtca atccatagat 300

aagtaggagg gtgatactct aataatgtcg gttactttat tgtattatca c   351

<210>   8412
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8412

tgaatctgga agttgtccac tgatacgtga tgcacttgga attctggttt cgacgaccag   60

agcctccaaa acggtgatga aatgaaataa ctcacaaaag ataattctca tattcatccc 120

tctttctgtg aatcattaca tctatttata ctgattctta taacagaatt gctattctat 180

ggaatattca cgattcaagt cttgtacaat tatctcccac ntctagtaat tgctctaaca 240

gaatgcatat atgcctttaa taccatcccg cccctttcag atgtaatctc tgaggtacgt 300

tggtctctct acccttctct tgggcctctg ctctttgttt tctgaaattg cttggtgcac 360

cttatcctgc tggctgttaa tctgcattgc tagttgcacc tcattctgtt gattgtctcc 420

ctctgctatg   430

<210>   8413
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8413

agcttgagat gaggaagtgt tgaatggtgg aacttcctgc ttttattgnt gaccacagag   60

tggtacctgg agatatgtcg cgggggtcag gagaccttgt ggatgtcagg tggggtgcta 120

tttcccaaaa ccaagcttga ccaatcccga cccagcccgg gcatagtcgg tcagtgagaa 180

3578

```
cctgngatgt acctaaacag gcgagttcct ggcagtcaac agataaaagg aacaaagacc   240

acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa tttgtgtgat atatgggttg   300

tggcctctgg taatcgatta ccaagggtgg gtaatcgatt acaaggctta aaaatgaaga   360

cagg                                                                364
```

```
<210>      8414
<211>      360
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8414
```

```
cttgtctcca acgcgagctn tgaccactgc tcttncttcc cgcgatgctt cttttcatat    60

ccgcctgagt gggcttatag cctaaaccat acttcccacg attttctttg gcatttatca   120

ggctagttat gtcgccgttg tctttgccta aacccattcc gggttcgtaa ccgttcccca   180

acataactcg ggccatcatt accgctgcat cggacaggca aggctgccca gagaaggagt   240

ccatagagga aatgcttacc acctcacaag actggaaagc aggttctaac gattcctctg   300

cggcttccac ataaggcata gaggatgggc agctcaccaa gatgtctttc tcgcctgaca   360
```

```
<210>      8415
<211>      420
<212>      DNA
<213>      Glycine max

<400>      8415
```

```
agcttctcaa ggaggtgagc ttagttttta gatgggtgtg tttagctaag ctctagcttt    60

tcaaggaagt tttcgcaaag aagcttctca aggaagtttt ctcatgaaag cttctcaagg   120

aagttatcta gtctataaat agaagcatgt gtaacacttg ttgtaacttt tgatgaatga   180

aagtcttatg agatacaatt caaagttcga cttctctcct tcttttcttc cttcaatttc   240

gggctccccc cttctctctt tcttttcctc cattaaagca tcctcttcaa gcttcttatc   300

caaggcaatt cttggtggcg aagatccttc ttccttggct tattccctag aggatggagc   360

ctgccctcta ctgttctcct ttgccttccg ctgcatctcc atggtgtaaa atcaccattg   420
```

```
<210>      8416
```

```
ctccccaatt ntctatanat aggggagaa gtgaagtgaa taagggttca gcccccttagg    60

cacttctctc tctttcgaat gtgcttggaa aaattgtttc cgtgaagaat atccaagccg   120

aggcacttcc gaaacgtttc cgtgaggaat ttcgcgaagg ttttcgaccg ttcttcgacg   180

ttcttcattc gttcttcatc gntcttcagt cttcaacggg taagtacctc acaccaagct   240

tttcgattca ttctatgtac ccgtggtggt ccacacttgg tttcgtgtat tattattctc   300

gtttcattta ctttctatac ccnctttnga cgtgcttaag ccattttatt taagtcattt   360

ctcgcttaac ctaaaaataa aataaatttc cac                                393
```

```
atccttacgc gatgtgcaca cctttcattg cgatctctaa acactctggc acgctcccct    60

tctacatgcg ttactcatat aaaagaagaa taaaactatt gactgccgta cagaagcaat   120

gtcctctctc atatcaaata tgatgcatat ccatcacaca tttgaggcgg gctttaacct   180

agtcggacat ctatttcaag catacaaaaa tatttgctct cgcttacatc atgtatacta   240

aaaatatgaa tatatacata catattacat gtttgtaatt atacacttaa gatagtctat   300

acattcattt atgatcttat                                               320
```

```
aattcatttt tatcgttttt gtaaaatact tggatgaata atacaattaa tattacgcta    60

cattgaaatg tgactttatg tataatgcat actctcactt atcactacaa ccaatatatt   120

atacataaat atgtactata atacactaca cctttatgat tctatgctat gcaattacta   180
```

```
ataatttata cataatttga tataatatac aatatcaacc attatctttt acaataaaat    240

attactatac aaatctatat aaacatatga taactatcct atgatttat  ttttaatcc     300

taaacttatt catttaacat aaactataat actattgacg ta                       342


<210>       8419
<211>       326
<212>       DNA
<213>       Glycine max

<400>       8419

agcttgtaag tatttggttt ataatttgcc tgttccatta agcttttaat gtctctagag     60

gttacttcct cgttgacatc ttttgtcttg aatggaattg ccatgacagg tttgctgtta    120

ctgtctttga tatttggtag ttgatattgt gttgtgggag gtaattccga ctggattaac    180

tcaccatcct tcacttgcca atttgttatg acatttgttg ttggattacc tatgatgtct    240

tgtttccaaa ggtagtctat atcctttctg atggcataag catgaaacca atcagagaaa    300

aggacattaa ttttgactct atcgac                                         326


<210>       8420
<211>       393
<212>       DNA
<213>       Glycine max

<400>       8420

gcttggagaa ccaagcctat cagaatgtct ttcgaaatat agatgggaat agaggtaaca     60

atggcggtaa tgacggaccg aggcagaacc gggttgaggg agtaaagctc aatgttcctc    120

ccttcaaagg tagaagtgat ccagatgcct acctgcaatg actacactga tgcgcagaaa    180

gtcaagctag cagcagctga attctccgac tatgcccttg tttggtggca taaataccaa    240

agagaaatgt tgagagagga acagtgagag gtacatacat ggactgagat gaaagggtga    300

tagaaaaagg ttgtgccact actatacaga acctgcgaag aaactcaagg gctgtccaag    360

gaattaaccg tggagaatat tataaagatg aat                                 393


<210>       8421
<211>       166
<212>       DNA
<213>       Glycine max
```

<400>   8421

gtccgcaaga attacaggaa gatcttagag tcgaccatag cttagatatc catagaagcc   60

attgcatcgc tcagcccata ctacgaccag cctctgagat gcttcacgtt cggagatgtc   120

ctattattac ccaccattga agaatctgag gacattctat gatgtc   166

<210>   8422
<211>   531
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8422

cggtttgant cattccgtcg tcgagctncc tagagncgac ctggaggctg cgagcctctt   60

ccctattttt tctattaata nggggagaa tgtgtttaag aanagggttc aaccccttat   120

gcacttctct ctctctcgaa tttggtgaag aaaattattt ccgtgaagaa aatcccagcc   180

gaggcgcttt cgtaacgttt ccgtgagaaa ttacgccgag attctcgacc ggtcttcaag   240

attcatcggt cggtcttccg tttcttcagt cttcaacggg taagtacctc aaaccaagct   300

tttcaattca ttatatgtac ccgtggtggt gcacattttg gttcatgtat tnnttattct   360

cgtntcattt gctttntata cccncttttg acatgcttaa gccatttatt tangtcattt   420

ctcgcttana tctannaata naataaacct tcaccgatcg tttgaatgta tcgtcaatca   480

ttttgttaaa tgaatctgac cgtcgtagtg cgtaccacgt ggaatcaaaa a   531

<210>   8423
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8423

tactaagctc tgtaatttat gattganacc tgcagtagtc ccatattgat ttatatgaat   60

gaactcttaa acccgaaagc catatataac tggactcaaa cactggtgta cacatacggt   120

ttgatatata ggaagcttca catccagaaa gaatgtaatt tctgttgcaa gacggacaaa   180

acgaaatcaa acttcaatga tatattaaaa aatagtcaat gaaatacata attaacatta   240

tatatactga tagaaaaatc gatagaacac tcaattcttg ccacgattta ttaaataaag   300

ggaaataatg tctggtacga aggttaatgc tcgaatatta tacacgaagt atccttggcg 360

ggtntccgtt aattccttaa ttntattcat ttcttgagct atatgattat ccaatcaaaa 420

caagacanat acgattcg 438

<210> 8424
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8424

ttcctcttt ttctttatct cttttttgcan gccctgcaga ggtaatatct tctacgtctg 60

tagtatcccc accacctaaa gatatatcat cattggttgg ttcactttcc acagatctaa 120

tggtatctgc tctagtttca tcagctgaga gaacattcta gagccatcaa ccagaaaccc 180

aaaagggaga agggaaagga aatgaaaaga aaagttagaa ttagacaatg cagctagaaa 240

atagaaatac caacaaacat ggacctatgg acatg 275

<210> 8425
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8425

tactaagctt gcacccagct cgcccaggca agctcggttg gcttctccag aaagtaccgc 60

tttctggaga acatcctgga aggcccaagt gggcctggtt actatttgca ccccccttgt 120

ttactaaata cacccacttg cctttntttg ctaattcttt ttccgtaacg ttatgaaact 180

ttacgaattt cgtaacggta cttgttttcc ttccataatg ttacggaacc ttacagatta 240

tgtaatcatc cctttttgc ctttcggaat gttacggaac tttacggatt gcgcactaac 300

actctctttt aatttccagc atgtcacgga acttcacgga ttgtgctaca atgctttctt 360

ttgacttccg gcatgtcttg gaacttcacg aattgcctaa cgatgggtgc caagtacctc 420

gaagtggtca aacgagggtc gcatcccaac aatgggatag tcccggacga aaatanggta 480

tgacaatgat tatatga 497

<210>   8426
<211>   270
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8426

aaattgttca aatcgtgtct caatagaatt aattgattga tctaatatgt ataaaaaaat   60

actcaatatg aacagattct tcacgtgaat gtgtaatgtc attactaata ttttcatcac   120

aatgagggtt tctatgaatt ntacgttntt caccgaaatt tggctctata tccatttcga   180

tagccatttt ttatgtggat tctaaagtcc atgcaaaccc cgtttcccta ttgtgtttta   240

aataagtgat aagacctttt aaatgatcta   270

<210>   8427
<211>   481
<212>   DNA
<213>   Glycine max

<400>   8427

ctaagcttaa taaaatgtga aattctacat cggcaaccaa acataatgta gtttaatgaa   60

caagagacag aactcggtga caagttactg acacatagaa ataggtaaat tgtatcagca   120

cattactgta gaagaaagcg aattctgata taaaaaaaaa tggtaattca gacaaaaatt   180

ttcacacata ctccggacat gacgagaagc aattgaatca gcaagccaac aaaatttctc   240

tatctcatta cataagagat atctgagaaa ttatgtacgt acacccaatt ctcttaatta   300

taaggtctga ctatgaatca tttaatattc tgtattaaat acttttaatt atttaaaaaa   360

accaaaacta aataaactga gctctttata taataaaaac actctctatg ttatctaaga   420

taaattgatt agtttgctta accataactt tagcatactt gccttaattc tgatatgcat   480

g   481

<210>   8428
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8428

caaaaaaatt tcttggactt ttactgctgc ttttggttcc ctgttatatt tcttggactt   60

```
ggttactcac cttgatgact tgaattatng cataatattc tgggtggttt cctggttttg    120

gctgattctc ttattggtgg gtaatcaaat taagaaataa aatgattatg gtgttcaaca    180

ataaagcaac atcagtaatt agtacgtata agtaattagc atttgaactt ctttggtacc    240

tttgaactgc ctgaagcgtt aattaattag ctggggattc aagtcttgaa ggagattgaa    300

aaatcgttca tggccaagag aacaaatgct atctncctta gacctttcan ntgtgataat    360

acaatacata tatattatat ttataattta tcatagatat at                       402
```

```
<210>       8429
<211>       490
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8429
```

```
ntctcaatta agaccaatca ctcaactatg gtattctttc ttctgatgca tccacaagct     60

actataccta gtattttaaa cctatgcagg ttttagttag tattctctgt tagtctcggt    120

tggttgtacc accactcagt attctaaacc tcttcaagtt gcactcaata ttcgctaagt    180

ctttataacc tctatccaag tattatttca aaaagtctct tcaagtttca cacccaaagt    240

aacaactact acttgaccca acaacagtt gttgtgttca caccaactta agaagcaata    300

attcccgtgg tgatcttcta agttatttcc tctatcttaa ggagctcgaa cactatgcaa    360

ttcgagattt ccttntattg tgactcctct gatgaaggtg tttacaaata ttctttctga    420

atatgatcaa tgacatgtaa agtttaaact tgacgatgaa acaagttgca acaaggtcaa    480

atgagttgtt                                                           490
```

```
<210>       8430
<211>       460
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8430
```

```
agcttctcat ccaccanaaa gccaaaaagt aaacgtaata accttcagtt atagtatcgc     60

ttaatttgtt ttgaggagtg ggagtttatt atataatgac tcgtaaaaaa tgaaagcata    120

tactccatat agtgatcttg atctatttgg aactgcacat gtaatgagag gaaggcatga    180
```

3585

```
gcatgaccca ccttgcttta taatagcagt agtagtttat tatgtcagcc aacaccgcan   240

ataccanaga aaagaatcat gcttcatttc cctaggtgtt tgggaaaagt catcgccaca   300

atatagttta catggaaaca ttaaattaga atttggtata gaaggagagg gagacagaaa   360

gagagatgtg gtgatggacc cacccacgtg caggccccat gaactcgatc gtcactagtc   420

ttcatgcgcc accacaaccg aaggaaacct atatactatg                         460


<210>     8431
<211>     324
<212>     DNA
<213>     Glycine max

<400>     8431

tgacaatcta atgtagctca acgctccttt ggagtggcac gaatgataca caatacacat    60

tctcattgaa gattagatat ccatggagtg acttctatga cactacaaga gaagaattat   120

tgaacatggc aatataggca acatatattt ttatcaaatc tttcacattt tttatcaatc   180

accgccaatt gttaattttt ttgttagaat attaacgtga agatttgaac ctataacctc   240

tatcccttgg tctttcattc tctgaatgtc aattatcaaa cacatcttat cagttgcttt   300

cagactcatt ttatatgccg atta                                         324


<210>     8432
<211>     317
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8432

tcactcaatg gataatgtat taccttatct taatcactca agaatgactc ttggcatctc    60

atggaaatcg tgtacatcaa gcccacaatt agtattgttt ccatttgaat tntctactat   120

aaatggttaa agtacagctt tgcaaaaaat ggatattctt gttttttat caaaactagt    180

aaatactatc ctaaacacct tgattactgt gctaatctcc ctagaattaa gtgtaaccaa   240

agtgaacctc acacagagat cactctcaca tagagctaaa ttcactgtc actcagtgta    300

caacacaact ttgtcat                                                  317


<210>     8433
```

3586

<211>   475
<212>   DNA
<213>   Glycine max

<400>   8433

cttcttccgc gtacgtgact tctcaccatc taatgcatag gtgcagtgga tattagataa   60

ttgaattgac taaagctatt tgtatgaatt gactaacgct ttattcacat ttataattag   120

gcatttactg gatgtccatg gcttcgttga aatatattta ggatataggt atacatgttt   180

tctatgtaaa tccatataag tatataaatt ttttatttga tatatatgta taccatatat   240

ttatctaatg atatgtttga tattattgtt attattttat attaatttat atatatatat   300

atatatatat atatatatat ataatgaact ctatgtgaat attttaatat atttatgtta   360

atgtttttag tacgttaatt acttatatat atattaatgt gtataataca tataattact   420

tacatatata tataatgtgt gtaactatct atgcatgtat atatataata tatat   475

<210>   8434
<211>   242
<212>   DNA
<213>   Glycine max

<400>   8434

catgcaagct tgcaagttca ttggttgttg atccacatat tatctactcc acgatgaggc   60

aagtcttact tgaaaaatat ggaaccatac cttcaaatga tatgcaattg tatctggcta   120

aaagaaaagt gcttaacaca aataatggta tacatgatgt atcatataat gatttgccac   180

catatgcagc tgctgctcca cataacaatt gaagaagtat aatcaaattg agtatggagc   240

ct   242

<210>   8435
<211>   501
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8435

cagttgggcc tgatgacgta cggaacataa atactaagct tgcatgtctg ccataaaact   60

cggctgtttg cattgataat gtatcccgaa tcaagacaag caccacgtag agatagagct   120

gactgagatc gtattagatg tcattttcat gactataatc cataccgacc tatgcattga   180

```
atgtactaat gccggacgga tgaagtctca ctacatttgt tgcagtgctt gatacgctac   240

gataatgtta ttgatgcatg cgaaggacca gatcgttcat gttggaagtt aaaggatgat   300

aacatactta tccgcgcgta cacgttcacg tttatatgtt ccatatgtac cccaccgtga   360

cagattgcga tccactatcc aataaaaatg cggctaatat gatcgacaca atatacttat   420

tatcatactg aactcatata tatgacaagt gcggacccgc atacatcact cgacgaatta   480

cgtattcaac atattgatcc n                                              501


<210>       8436
<211>       276
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8436

taatacaaga tcttttgctc atctgttctt gcgccttcac ccttcctcat tcattngcat    60

atttatttct ttctgctgcg atacagatcc gacgacgagt cctgtgaagg tactaatacc   120

atggacccga ctgtcgattt cgggcgagaa gcagatcaga tggatgagga agaagacgac   180

ataggttat ccccggagat ggaaaggatg gccgcccaag aggaccgagc attgaagccg    240

caccaagagg aaacggaggt catatatctt ggtgct                            276


<210>       8437
<211>       488
<212>       DNA
<213>       Glycine max

<400>       8437

tattgaagat cctaacactg tccagagatt caaataatat catgaaaacc taatgcacaa    60

tatgttatac cacatacgca gcacactttt gttgatttat catttaagaa tgaattcaac   120

atcatatctt tgaataacct tttaattgat tttctatcat ccatgagcat aaaactgaat   180

agtttatctt cccacccca aggagaattc atgtttttàat tactttacttt ttcaccatga   240

tgatgttcat tctataatct tatataagta aaataaaatt actttataat ctcaccttcc   300

tggtctttac taaaaattaa atacaataaa atttaccaaa aaaaatgtaa ctgcaattac   360

ttcatcaata aacaaaaagg aatttcaatt agaaatacga cattaaccaa aattgtgaga   420
```

3588

ttacaaagaa ttagaataaa aaacaagtgg tatacaatcg tcaactaatc actcttacaa   480

agtttaca   488

<210>   8438
<211>   295
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8438

gctatctttn tcctganaaa aaaatcaaat aataacatgc cctacttccc taaaagtgtg   60

cattttttaag tgtttgtgcc atgaaaagta aggaatagca agcaaagtac ctcttttgaa   120

atcccgaatt gggagaaatc ttctgcagca tttgccatcc tgcaagcaat tgtagcagag   180

aatgatgatg cattggtttt taaattggaa aagcgcgtgg tgaaaaaagg aatgaaaaac   240

cttaagaagg gtgaaggaat cgtaatcggg tggaaagtcg aaaccttttt ttttt   295

<210>   8439
<211>   435
<212>   DNA
<213>   Glycine max

<400>   8439

ctatgtggcc ccatccgatt tcctggaatt tgttcttctt tgtgcatctt ctttgatttg   60

attaagtctt cattttatat gcaagatagc ttacgaaaca agttgaagta taattagtcg   120

ggccaccctc tctttctatt atttgattgc tattcggcgt tgttatgcat ttaccttctc   180

tctctttttat tcatttgatc gtgtgagttg tatacaagtg ttgcatacta ctggcagcaa   240

tttcttcttt acacgagaga aagagcgaga aaacacgccc cgtacaaatt tcaaggcctg   300

gaaataaact tcttgatgca tactaactac ttatcgaccc actctatatt gggtacccta   360

acttgctact actgtcgcgt gtatgcttat ggttgtttct acttctccat cgacgcttga   420

atgctagcta cactt   435

<210>   8440
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

3589

<400> 8440

agcttggaga ggatgcttca atggaggaat agatagaatg acagaaagag agagggggga   60

gcacgaaatt gaaggaagaa naagggagag aagttgaact ttgagttgtg tctcacaaaa 120

ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag agtaggtagc 180

ttccttgaga agctttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240

gagaagctnt cttaagaaaa cttccttgag aagcttcttt gagaaaactt ccttgagaag 300

ctatagctta gctacacaca cccctctaat aactaagctc acctccttga gaagattcct 360

aaataagtta gagcttagct acacacacnc tgtataatag ctaagctcac ccccatgcca 420

aaatacatg   429

<210>   8441
<211>   395
<212>   DNA
<213>   Glycine max

<400>   8441

tatttcgatg atgccaaaga ctcaagtcaa gaatcaagat tcaagccagt cttatgaatc   60

aaagagtcgt tctatctgga atcaacattc aagtgaagaa tcatgagaag actcacgata 120

ttcgagaaca tcaagaacag catcgagaca agtataaaaa gaattttttg aagaaaagat 180

tgaatagcag aatttgtcca acagaatttt tgaaagaaga atcttttatc gaagttttta 240

ctctctggta atcaattacc atgacgcagc aatcgattac cagaagccca aaacaagttt 300

ataaatattt tacaaagtag ctatcgatta ccatgggcct gcaatcgatt accaatgttt 360

ttgaacgttg gatttcgcaa ttcaagagtc accac   395

<210>   8442
<211>   245
<212>   DNA
<213>   Glycine max

<400>   8442

cttctttgag aagctacatc cttatctatc cacccctcta ttaactaaat taacttcctt   60

aaaaataatt acggatgaaa ataacgcaac aaataatcaa acatcaaaca taattactaa 120

taatatatag atatatatat cagggtgtta cacatcatat attgagacgc tcgaaattga 180

```
acaatggaag ctctcgaaaa attaaaattg tcataaattt tcacacggat gtgcgatcag    240

gcaca                                                                245


<210>        8443
<211>        383
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8443

tctgttgttc aactttgagt gtctcgatat attatgctcc tgaatcgaac atccgagtga     60

naagctatga gcattcgaat ttcttgagag cttacgctgc tcaatttcga gcgtctcgac    120

atgtgatgtt cctgaatcgg tcccccgcgt gtatagttat gaccatctga atttcacgag    180

agcttccgct gctcaatttc gagggcctca atatgtgatg tgcctccaac atcccagtga    240

aaagttatga caattcgaat ctctagagag cttccatcgc tcaatttcga gcgtctncgg    300

atattatgcg cctgaatcgg acatccgagt gcaaagctat gaccatccaa ctctcttacc    360

cgcttcatag ttcgatttcc acc                                           383


<210>        8444
<211>        373
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8444

agcttatcca gaggatgtgt tttatttaca ttcacgtgtt ntagaaaaag ccgctaaatg     60

aagttctcaa ttaggtgaag gaagtgttga atgacagttt ggggtttctc ggagcttaca    120

atgggtgagt ctgcttgatg gctggatttg acatcaaatt ggatcaatat cacgaataaa    180

aatatctgag ttatctaatc gattataaag caaacgtgtt gtggaaaaac gtttgaagac    240

acggactgtg ttttattcca tcctgagtgc agttgttaca gttgttgttt gctatcacgt    300

atgggtttgg ctatgataat ctaagtgaca cttacaaatg aagatgaact ccactctaat    360

agttcacgta ttg                                                      373


<210>        8445
<211>        436
<212>        DNA
```

<213>   Glycine max

<400>   8445

tctacttcat agtctaccac attcatatga tcaattcatc atcaacatta ttgtcagtcg   60

tctaaccttt gatgatgttg ccagaactat tcctaaagaa gaattctaac aaaagaataa   120

gaaagatacg caggaaaatt ccaagcatgc aaaggcttta atgatgacga aggtagatca   180

atgtaatgtg gctctaatgg gagttaaaat catggcagat caaagtcttg aagaagaaag   240

aacctcatat actataattg tggcaggaga tgacacttaa agaaagattg ttggcctaaa   300

aagagtggag gagataaact atagagaatc gagctctcaa cgttgtgttg ctagcacctc   360

acataatatg gaagccatgt gtagtgaaac accaattggt tttagaggtg gaagacaact   420

tcatgatcgt tggata   436

<210>   8446
<211>   341
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8446

aagaaaaaaa gttacgagtt gggacaagac cttgcccaat tcatgaatgt cacaccaaaa   60

tcttgaaaac tgattggaag taaaacttgc atcttttata aaattccatt attatttgaa   120

gggcatataa aaaaaatgtt catagtagaa gaatttacac tatttaatta aaaaatgttt   180

ttctaaaaaa cacccacatt taaaaatgta gaattgatta caaaaaanaa tgtagaatca   240

aatttataat aaataaatat acagaaatac ggaatgcgag ggaaaatatc cattaaatat   300

atatntagct ntatacatgt tgataagtta ttagttattt a   341

<210>   8447
<211>   469
<212>   DNA
<213>   Glycine max

<400>   8447

agagtgagtc attatgaaac atattcttgt taccctacta tctttttgta tagtggaaga   60

atctccatat tagagaatta taatcgtgtg ctcctattac tacctttaat tactaagtgc   120

ctatcttagc tttcccaaca gtaataatag agtttagttg tgaatttgag aaaaagaatt   180

3592

atgcacctta aaaagttttta tatagtcatt caattataat tattatatat gataagttta 240

ttaatttta taataattat cttaaaatag ttcaaacata aatctatgat tgaatgactc 300

taaaattatt gtatatgcat tacattctct gaattgtgat agattagttg accatttact 360

aaaattgaat gtaactttta tctattagta tcgtaaaaat ctacaccttc aagtcaatca 420

atcaaaaacc attgttagta tcatatttta caatagctat gggcatgat 469

<210>   8448
<211>   556
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8448

nnccccaggg aggtcagcga cctanagtac gagncnnccn tanantnnga ncnnganngc   60

ntgccagact ctaacggcac agttggccgt ctaaccggaa cntggtttac tttcatcatt 120

aatgggcnta aagcaatcan aggcttgtta tagcctctaa ttctataaat aagagaccaa 180

attaccgttt aagtgagcac cggctcgctt agccgcatgc accaaaaatt ctacaaaact 240

aaattggcct tgggcttaac gagacagact tgcttagccc agacttattc tcaatagagg 300

catgctatgc ttatcgagcg tggcttattt ctccaaaatt tcttagttcc ctgttagaaa 360

cttcagcttg accatttgtt gtggatggta tggtaggcta cttgtgtgga cattgaatgc 420

cttancacct tctgaagctg gttgttgaaa agtgagagcc ccatcctgat tangaccctt 480

gacacccaag cgagcaaaat actttcttca gacttactat aatttacatc gtctttgggc 540

agcactgctc acccat   556

<210>   8449
<211>   188
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8449

tactaagctg ctgtgttaca tacctgctca cgatcagtgn gcggatcttc tttctagcca   60

ccctcatcca ccagatttca gcttattagg gacaaactca aggtgtttga gctctctgaa 120

gctcacccac cttaagtttg gggggggggg gcctcccctc atcctactca cttttacctc 180

ccctcctc

<210>   8450
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8450

tccccgacga gcttcttctt cgcgaggctt ctctggcagc ccttggaccc atttgcattc   60

gaggtaggtg gccttcttct tagctttggt tttggtatgc actacattag ggtaggttag   120

tggaacctta tggtagaaaa cggaacctta tgatagaaaa cgaaacctta tggtagaaga   180

cgccngaaaa atggcgacag cttggtgacg gtggctcctt tccgaagacc cgttaggggt   240

ʻtcttctggaa cttccggaag atttccgaaa gaatagttgt tctggaacca ttgaaacgtc   300

tttcagaagt actggtcttt cngaaagctc ccggaacacc tattccgata agttccggaa   360

caagtggttg ttcctgaaac attccngaan gaaggttctt tccgatgacc tttcanntgg   420

ttccgaagca cttttcggaa gagcccttct ttct   454

<210>   8451
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8451

ggataagagt agtaaatgat gaagtgatac ctttaggcaa tgatgcactg ccatgaaatt   60

cctgaatgcc ttcacaaata tcagctccca tcgtgctcca acaagctttg aaaaaatcga   120

agttgaagct gtatggtcca aggcttttgt ctccagcaca gcttcaaaca attgctttga   180

tctcttcaca agaaaatgga gcttctaacc aattactatc ctcattgctt atctgtttga   240

aatccaccct ttccatctgg ggtcgtgaaa catagttctc ctaaagcatg ttagaaaaga   300

agcgtttaac ttctttctta acccctacca catcttcaat ataactgcat cagaattaac   360

gcactntagt ttattcttct gacattctgt tcaaaggcaa gagtggaaaa attgggtatt   420

gataatccca agtttc   436

<210>   8452
<211>   311
<212>   DNA
<213>   Glycine max

<400>   8452

tttcgagcgt ctcgatatac tactgtacac aatcggacac ccgagttaaa agttattgtc   60

gtctgaaatg gctcacaact tttgtttcaa ttacgaacgc tttgatatat tacgggactt   120

catcggacat cccagttaaa agtttatgtc gtttgaattt gcttaaagct tctgttttca   180

atttcgagcg tctcgatata ttaccggact caatcggaca tccgagttaa agtttttgtc   240

gtttgaattt tctcaaagct ctctgtttca attacaaagc gtctcgatat tctacgggac   300

acattcggac a   311

<210>   8453
<211>   488
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8453

ntctacaaaa tcaaacgaac aataacttta actcggatgt ctgattgagt cgcgtaatat   60

atcgagacgc tcgtaattga aaacagaagc attgagcaaa ttcaaacgac aataactttt   120

tactcggatg tccgattgag tcctgtaata tatcgagacg ctcgtaattg aaaacagaag   180

ctctgagcaa attcaaacga caataacttt ttactcggat gtccgattga gtcccgtaat   240

atatcgagac gctcgtaatt gaaaacagaa gctctgagca aattcaaacg acaataactt   300

tttactcgga tgtccgattg agtcccgtaa tatatcgaga cgctcgtaat tganaataga   360

agctctgagc aaattcaaac gacaataact ctttactcgg atgtccgatt gagtcccgta   420

atatatcaag acgctcgcaa ttgaaaacag aagctctgag acaatcaaac gacaataact   480

ttttactc   488

<210>   8454
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8454

agcttcatgg ngtttcctga attgngttat caaattactc aggtggttat ttgagcaatt   60

atgcaaaatt ttattttctt tcctcttccc atctcatgtg ttggaataaa ctatactaca   120

cggtttctct gggttttgat cttttcttct tcttttgtca attttcttgc tttgttgcag   180

catgaagttt ggtctaatgt atagattctt cttgtctgtt tcttttttgt aggatttgat   240

tactactgga tgcctgactt gagttgtgtg aagtgatgaa ctgtgtttta tgctcgtttg   300

ttttcaattg tttctcacga tgtgttattg ggagggttgt agtgctatgg agtntatatg   360

tg   362

<210>   8455
<211>   98
<212>   DNA
<213>   Glycine max

<400>   8455

tttttaaagg gtaaattact catgtgatct ctatagtttc aagattctta cctctttagt   60

ctctatagtt tgaaagcggc tgttttagtc cctatagt   98

<210>   8456
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8456

agctntgagc anattctaac gatagtaact cttttctcgg atgtccgatt gggtcccgta   60

gtatatcgag acgcacaaaa ttcagaacaa agcctctgag caaaatcaaa cgaaagtaac   120

tttttactcg tatgtccgat tgagtcctgc aatatatcga gacgctccaa attgagaaca   180

gaaactctga gcaaaatcaa acgacaataa cttttactc ggatgtccgt atgaatcccg   240

taatgtgtcg agatgctcgt aattgaaaac ggaagctctg agtaaattct aatgacaata   300

actttgtact cggatgtccg aatcgtaata tatcgtgacg ctcgtaattg anaacagaag   360

ctcttagcat attct   375

<210>   8457
<211>   488
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   8457

cttcattntc aattacaagc gtctagatat attacgggac actttctgac atccgagtaa   60

atagttattg tcatttgaat ttactacgag cttctgtttt caataacgag cgtctcgata   120

tactacgaga cacaatcgga catccaagta aaaagttatt cctgtttgaa tttgctacaa   180

gcttccattt tcaatttcaa gcgtctagat atattacggg acacaatcgg acatccgagt   240

aaaaagttat tgtcgttaaa attttctaag agcttatgtt ttcaatttcg agcgtcacga   300

tatattacgg gacttaatcg gaaatccgag ttaaaagtta ttgtggtttg catttgctac   360

aacctttcgt tntcaatatt gagcgtctcg atatattacg ggacacaatc gaacattcga   420

ataaaacatt aatgtcgttt gaattgctat gagcatctgt tctcaataat gagcgtctcg   480

atatacta   488

<210>   8458
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8458

tggcagtatc atgctccttc tatacctgcg cgtttgaatg tcgtatcggt gttgatacaa   60

cctgtgtgca cccaaatcat gtcgacaaac accatgaaga caataatagc ttatttttca   120

taatgaggtt ctcgttgatg ttatgctcct gctaagaaac ctatatctgg ttttcttgtc   180

aacaacattg ttgtcgtgta agcttgtgac attgacaatg ggacacaact gtcgtaaagt   240

tgacgacaca cattatcttt ctcattctat gttcctaaag gttttcattc ttgacaaaag   300

aatttggtgg tggaacacat gcttgtcgta tcngatgtca tataagcgac gatggtactg   360

gccagaatca tgactataa   379

<210>   8459
<211>   292
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8459

agcttgtagg attatggngg acccgtcata tgtggtacta ggtggcgatc gggagatggt   60

gcaaatcaac tctcccacat ccacaaatca cacatgaacc caccatcccc agttgcccac   120

cttcaactga gctcgcgtac ccccacgtag cccttattct cgttcctctt agcaccaggt   180

ccccatcaac ccctccaagc tttcacaata tccaaacatc atgaactacc ctaaaccaag   240

aaaacagggc agaggcaaaa aaactctatt caaaacacat tccaatacca ca   292

<210>   8460
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8460

tcttgcgtag ccgctcttgg agctcagaaa atcccaataa caaatccctc ttattactag   60

ctattctgaa ttctttagtt cctgaatgta caaccttcaa attgttgctc attcccctct   120

ttgttttctg caaaaaagaa aatcaatatc aaagaaaaca tggatgaagc cctaaggatg   180

ccatgtacat gtgtatttct gaagatatag tatttatatt ccatcaagca tacattgact   240

gctgattaca tgtaatagac tttttataac atggttgccc caaatcacaa ttaanaagca   300

caactaccaa tctttcagag tcctttggtt aatttgactt gtctccttct gtggtggggt   360

tctaattaat aatattatac ttttgccttc caaaaaaaca cttatgacta atcctctttt   420

cattaatcct attctgtatg ttattggata caagatcat   459

<210>   8461
<211>   418
<212>   DNA
<213>   Glycine max

<400>   8461

cgatgatcct cgtaccgccc gcgtccttga gtcacctggg ctgcagctta acattcattt   60

cagcgttaga ttattacgga ctcatcaaca tcgagtagat gttctggcgt taaattgctc   120

ggcctccagc ataaatatca gcgctcgata tatacgggac tattcataca tcgaaaaaaa   180

gttgtgcggt tgaacttgct aaaattcaca tcatctcgag tgctcgttat atacgggcca   240

atatacatcg agaaaaatta ttgtcgtgga tcgcattagc ttcatatcat acacggctga   300

taatacggac taacaacatc aaaaaagtat ggcgatgatt tttatactta cattaattga 360

cggttataat acggactcat aattccacaa agttttgtcg tacttgtaac tcccatct 418

<210>   8462
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations ·
<400>   8462

ntaagcaaat tcaaacgaca ataactattt actcggatgt ctgattgagt tccgtaatat   60

atcgagacgc tcgctatcga atgttgaagc tgtgagccaa ttcaaacgac aatgactgtt 120

tactcggatg actgattgag tgccgtatta tatcgagacg ctcgaaattg aatgttgaag 180

ctctgagcca attccaacga caataacttt ttactcggac ggcctattca ctgaccgatt 240

atatcgggac gctcgcaatt gcatgttgac cctctgagct aatacaaacg acactaactc 300

tttagtcgga cgtctaattg agtcccgaat ataacgagac gctcgaaata gaatgttgaa 360

gctctgagcc aattcaaacg acaataactt tttactcgga tgtctgattg agtcacgtaa 420

tatatc   426

<210>   8463
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8463

agctntagtc aaacagaata atccanaaat gtcttagaat tgggtgttga aaaagcataa   60

caagactttc tgtgattggt ttaaagatac aatctttgca gatgagaatg ctttataaac 120

attaagaaag ctagcagatg ggcctaaaag aaatgttata acttgacaag gatacgacat 180

aaacaagtat tcattttaca caaaagcaca agatgacaaa agttcaatgc ataacagcgg 240

ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgacgcca tccctgtgt 300

agcttccatt cctttacttg ggttcataga tgaaaattgg gagcttaact atgtgaaatt 360

tg   362

<210>   8464

3599

<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8464

tgcatggatt tacattctcc nctttctcaa gcaaattctt aattcttctt gacatcatca   60

aaatcttcat gatttacatt ctccctcttt ttgatgatga caaccacctg taggttagga   120

gcaacaacaa agaaaatatc tatttgcata tagtttactc ccccttggtt ttacaatgat   180

tgcttatatg agacaattga agatttcata tttttcatat ataaaaagtt gtctcataaa   240

acaatagata atctntctta ctattgtatc ttttatcttt ctcttcccct ctgtcaacat   300

caaaaacaaa tcatgaatag aaaggagaaa gatgttacca ctctgtgcaa tgtatgagaa   360

taagtgatac caacaggcat taaaacaatc attcaatatt aatcaagcaa aaacaagtac   420

actaacacat caatcaaaca caatcaaaca ccatcaatca   460

<210>   8465
<211>   218
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8465

tcttcattct tcacatgtac gtacgttctc ctggacttga ttttctaaca taataataaa   60

acacctgttt gatagattta ttattagtta ttattatcca atatttaag tatgttgtgt   120

ggtttaaata ttctatgtga tttaagactc agattctatt ntaaataggt ttaattacta   180

ttttagtcct tgaatttgaa gagtgtattt tttttagt   218

<210>   8466
<211>   231
<212>   DNA
<213>   Glycine max

<400>   8466

caaccgttgc tgggacaatt gtttccgctt acatagtata cttcagttcg caaacagtca   60

ttcattattc tttgagtgtt tcttgcgaat agttagaatc catatattat gtcttgactt   120

ggatagatgc tgctctgtat agctgcttct tgtttgcgac gctcaacttc ctcgggaatt   180

tagctccatc tgatctagag attgaagcta cttgtctgag atgcatcaca c   231

<210>   8467
<211>   297
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8467

agcttatgga tgctgcagnt atattaacgt catatatgac tctgatcact ttttagatac   60

tttgcactca ttagaaagct agtattttgc agaaacctca atattgtcga tacatacaat 120

gatagggcag caggagttaa acaccatgtg taaattaata ttatgggtcc tattacttta 180

ataacactgc ttagactctg ccatattaat ataagaactc acattcggaa agttgctata 240

ttttggttag cttttcatcc acctgcatag agaattattc atatacatat gcattaa   297

<210>   8468
<211>   185
<212>   DNA
<213>   Glycine max

<400>   8468

caacaagctg agtgggtaaa cgcgcagaga tagattctgc acccttttatc attcaggaac   60

aacaagttga gtgggtaaac gcgcagagac agattctgct ccctttatca ttcaagagca 120

acgaggcggg tgataaacgc gtagagacag attctgcacc ctttgtcatt tagatttcac 180

aaagt   185

<210>   8469
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8469

tctagccaaa tggacttacc ttgaattaat tctttgtagc tccttttgag ccttgtttcc   60

cttttccttg ttttgaagct cactacaagc cttaagtgaa aaaccatgat attaccatat 120

ccttaaggaa ttttggagct tttgaattgt tttgggaata agtgtggggg gttttttgttt 180

cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240

```
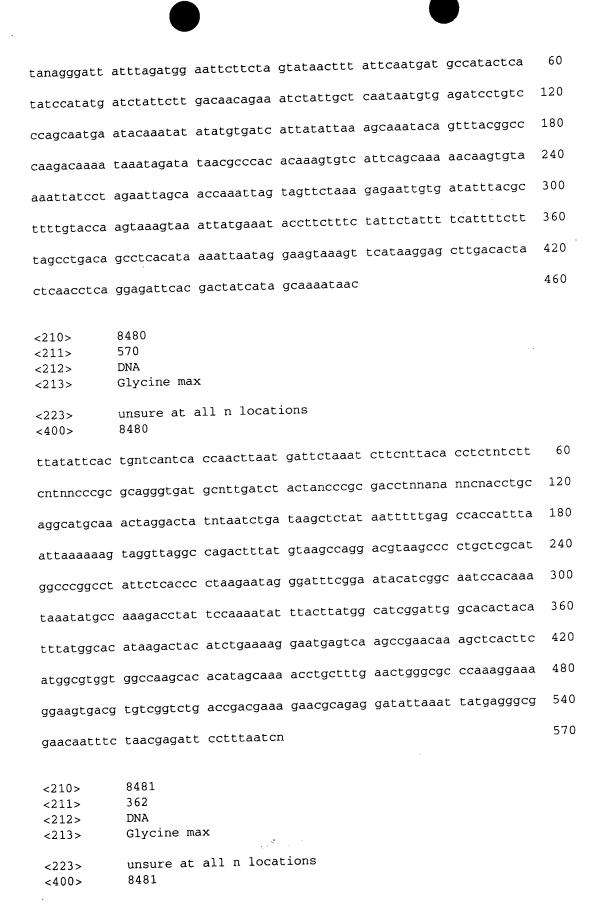acaatgtaca ttgtatattg gttaaatgtt ggacatgctg aatgaaatgt tgtttctcaa    300

acgctaaaga gtaaaaaaaa aaaaaaaaaa tcgaaaaaag aaaaagaaaa gcaataaagt    360

tgagtgaata agatcttata tggcacaaga atgatgaaac tcttggttct actcttcatg    420

cttaattctt atctntacct tcttctattt tcttattttt cttcttaata tgcacttat     479


<210>      8470
<211>      365
<212>      DNA
<213>      Glycine max

<400>      8470

atctctgcaa aagctgctcc tcttgctgcc tccagagttc ttttcccgaa ataagcacta     60

tggtgtgctt tggaatctat gcaaatcatc tacttaccct aattctgcaa aaaaataggc    120

tttaaatagg ctctaaattc gtaacgttgc gcttaacgca agtaagtggg tttgagctta    180

gcgccagtcg tgcattgagc ctggctgaag acaactactg cggttagcgc actgatctcg    240

cacttagtgc gcgaccttga tattgatgcc ctgccagatt cttctgtcgc gctaagcggg    300

ctgaagctgc gcttagcggt ggatgagcgc ttagcccact gatgagctaa gctcaactgt    360

cactt                                                                 365


<210>      8471
<211>      492
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8471

ntacatgaat tntattaaca taaaaaattt cttcaatcat agtacctttg atatatctaa     60

taattctctt agctccttgt agatgactaa cgcgtggctc ctcaatgaat ctgctaagca    120

aactaactcc aaattatctg gtcttgttgc aaccagatat ctcatatttc caatcaaact    180

cttatataga gttgcatcca ccttttttc cttcaacatc tcttgtcaac tttagctctt     240

cttcaactag tgtggaaaca tgctttgaat tttccatctc gaatttcttc anaatatcac    300

atgcatactt cctctaggag atgaanatcc caccatctcg ctaattgacc tcaatgccaa    360

gaaaatanga catcaggcct aaatctgtca tctcacaaca tcttatcata gcttccctag    420

attctgaaat caactntgaa ttcgtgtcag tgaagattag attatcaaca tacagacaca    480
```

caatgagaat at   492

<210>   8472
<211>   294
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8472

gctcctgaat atgacagcca tcgttttagg agtgctgagc accagcagcg cttcgaggcc   60

attaagggat ggtcattttt tcgggagcga cgcgttcaga tcagggacga cgagtatacc   120

gacttccagg aggagatagt tcgccggcgg ggggcatcgc tggttacccc catggccaag   180

ttcgacccag acatagtcct ttgagtttat gccaatgctt ggcctacagt ggagggtgta   240

tgagatatgc gatcctgggt gaggnggtta gtggatccca ttcgatgcgg atgc   294

<210>   8473
<211>   467
<212>   DNA
<213>   Glycine max

<400>   8473

tctacttatg tggcagggcg ggcttccttc accttcttgt ctttaacgcg aactttgacc   60

attattcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa   120

accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgttttt   180

tcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattatcgc   240

tgcatcggac agacaaggct gcccaaagag ggagtccacg gaggaaatgc tgaccacctc   300

aaaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga   360

tgggcagctt accaagatat cttcctcgcc tgacacgatg accaagtgcc ccttcactat   420

gaatttcagc ttttggtgga gtgtagaagg cacaactccc actgagt   467

<210>   8474
<211>   347
<212>   DNA
<213>   Glycine max

<400>   8474

agcttataag tgcgggtctg ggagacgaaa gtcatgtggt cgcgatatgt gaagatgatg   60

ttccaagaac tctggatttg gtccgaccat gcccttctga ttttcagctg ggaaattggc   120

gggtggagga acgtcccggc atttacacaa caagcataat gtaaaccttt acgggtttaa   180

aagctctata gttgggccta ggctttagag ttttcatttt gttaaggctt tgtgtctttt   240

gtctttgaat ttataataca aagatctttc ttcatctgtt cctggtctct acccattctc   300

attcatttgc atggttactt ctttttctaa aacggcagat ccgatga   347

<210>   8475
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8475

ctaagcttga gccaaatcct gactcaccat anaccttgac ccaggtgaga atgccaatcc   60

ttaccctcgg aagcaaaaaa aaggagaaga gaaggaaaat ttccaatcaa agaggaagca   120

taaaaaggag agaaggaaaa tttccaatca aagagaaaga aaagaagagg aaaggaaatt   180

cccaatcaaa gagtgggaga aagaaaaaag aaaagaaaag aaagaaaact cccaatcaaa   240

gaatgggaga aggaaaaaaa gaagtaaaaa agaagaaagc tcctggtcaa agaaactaga   300

agaaatgtgc agaaaggtct tttgaccgga cgatatctga acaatacaga attgtcacca   360

aatgaacaaa aaaagaagga aaggaaacca cgacctataa tggtcttctc cctttaatta   420

ccaaccaaaa t   431

<210>   8476
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8476

agcttcttat ccaagacact ctcttagtgg agaaactcct tcttcttagc ttattcccta   60

gtggatgacg ccttccactc atctcttctc ctttatcttc cgctgcatct ccatggtgga   120

aaatcaccat tgatggacat tattgaagct caaagatcca gtctccatag aagcttcaca   180

agcaagcttc gattagttag accacaaatt tcattttatt taagggtaaa atataattct   240

aaggtaaagt ttcgccttt tttatcgtta caagcataat attataataa tcacttcaaa   300

aagtgacaac ataantaaaa gagatatata taaccattta ttaattacaa tcataatgtg   360

ttatacaata aaattatcaa ataacatct ttcattacct agtaaacatg atcatgtacc   420

atcattacaa ttatccaata tat   443

<210>   8477
<211>   272
<212>   DNA
<213>   Glycine max

<400>   8477

cccggcatag tcggtcagtg agatcctgtg atgtacctaa gcaggcgagc tcctggcagt   60

caacacataa aaggaaaaca agaccacaca tccacgaggc ttgtggtggc tggccacctg   120

tgaattttgt gtaatatgtg agatatggcc tctggtaatc gattaccaag ggtgggtaat   180

cgattacaag gcttaaaaat gaatacaaga ggctaagatg gtctctggta atcgattacc   240

aagggatgta atcgattacc aggcttgaaa ac   272

<210>   8478
<211>   317
<212>   DNA
<213>   Glycine max

<400>   8478

cgctactaga acacacagga gtccacttat aagtaaggga tgagattatc gtaattgggg   60

ttagaatgaa catctgtagg aatccttacg gtatcaaatt gaggcttatt ttgggatgtc   120

tattgtatcg aaattttgcc tgtatgatca tgtaaaattg tgtgaggggt ttactcccca   180

tggattgaga aacattgttg ttcaattcgt ttgtgtttat gataatatta acgtgataaa   240

tattgggatc atgaaataat gattgacaat atgtataagt gataaattta atatgtgatg   300

aattgtggga caacatg   317

<210>   8479
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8479

```
tanagggatt atttagatgg aattcttcta gtataacttt attcaatgat gccatactca   60

tatccatatg atctattctt gacaacagaa atctattgct caataatgtg agatcctgtc  120

ccagcaatga atacaaatat atatgtgatc attatattaa agcaaataca gtttacggcc  180

caagacaaaa taaatagata taacgcccac acaaagtgtc attcagcaaa aacaagtgta  240

aaattatcct agaattagca accaaattag tagttctaaa gagaattgtg atatttacgc  300

ttttgtacca agtaaagtaa attatgaaat accttctttc tattctattt tcattttctt  360

tagcctgaca gcctcacata aaattaatag gaagtaaagt tcataaggag cttgacacta  420

ctcaacctca ggagattcac gactatcata gcaaaataac                        460
```

<210>   8480
<211>   570
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8480

```
ttatattcac tgntcantca ccaacttaat gattctaaat cttcnttaca cctctntctt   60

cntnncccgc gcagggtgat gcnttgatct actancccgc gacctnnana nncnacctgc  120

aggcatgcaa actaggacta tntaatctga taagctctat aatttttgag ccaccattta  180

attaaaaaag taggttaggc cagactttat gtaagccagg acgtaagccc ctgctcgcat  240

ggcccggcct attctcaccc ctaagaatag ggatttcgga atacatcggc aatccacaaa  300

taaatatgcc aaagacctat tccaaaatat ttacttatgg catcggattg gcacactaca  360

tttatggcac ataagactac atctgaaaag gaatgagtca agccgaacaa agctcacttc  420

atggcgtggt ggccaagcac acatagcaaa acctgctttg aactgggcgc ccaaaggaaa  480

ggaagtgacg tgtcggtctg accgacgaaa gaacgcagag gatattaaat tatgagggcg  540

gaacaatttc taacgagatt cctttaatcn                                   570
```

<210>   8481
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8481
```

```

actatacaat ctcaaccttg ggaatagcct acatatcacg ttctgtgcgc gctgtattgt    60

ctaatccaat anaaagcaca cgttactaac tgaaactaag gtgcgtgtgg attatcgttg    120

aaaccacgct gcacagagaa attgcatgtt ccaacgcaaa aattatcaag caactatgct    180

gtagctttca tacagtatgt tgcagctggg ttcaattgct ctcaaacac acaccaagtg    240

ccaacagagt tcgcattacc tgctctgaca aggcggcatc atcatccaag ctatgagagg    300

tcactttctc agtaatatga ggtccatttg cttcaagtat catcctctca cgaaaaataa    360

                                                                     362
ta


<210>      8482
<211>      338
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8482

agcttctccc gcaattttct ataaataggg tgagtattga agtagaaaaa ggttcagccc    60

cttaagcact tctttctctc tcgaaatagc tgaggaaaat tagttccgtg aagaaaatcc    120

aagccgaggc gcttgtgtaa cgtttccgta acgtttctgt gagtgatttc gcgaaggttt    180

ttgaccgttc ttcgacgntc ttcattcatt cttcatcgnt cttcagtctt caccgggtaa    240

gtacctcaaa ccaagctttg taattcattc tatgtacccg cggnggtcca taatatggtt    300

catgtatttg tattctcgtt ntcatttact ctttatac                            338


<210>      8483
<211>      475
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8483

tctacttatg tggcagggcg ggcttccttc actttcttgt ctctaacgcg agctttgacc    60

accgctctta cttcctgcga tgcttctctt catatctgcc tgagtgggct tatagcctaa    120

accatacttc ccatgatttc ctttggcatt tatcaagcta gttatgccgc cgctgtcttt    180

gcctaaaccc attccgggtt cgtaaccgtt ccccaacata actcgggcca tcattactgc    240

tgcatcggac aggcaagctt gcccaaagaa cgagtccacg gaggaaatgc ttaccacctc    300

```
acaagactgg agagcgngtt ctaatgactc ctctgcggcc tccacataat gcatagagga   360

tgggcggctc gacacgatgt cctcttcggc tgatacgatg accagatgcc ctctcactac   420

gaattctaac tgtcggtgga gtgtagaggg aacaaccctc actgagtgga tccat   475
```

```
<210>        8484
<211>        440
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8484
```

```
ccatatatta tataagatct gaacaagata agataagatt ggatgaaata aaatctccat     60

tagactagat aagaatggat gaaataatct ctcaatgaaa taaactcctc atcagatcac    120

aattaataaa ataaaattgt ctgctctctt caagttcaag cccaattccc ggatccaagc    180

ccaattgctt ataattctcc ctgaattaaa ataaaaacac acaattagtc cagtaggccc    240

caatgataaa aatgcataat taatttaacc attaaggcta atcggtaatt aaaatggtga    300

caaacacggc tacgaaatan gagaaaataa tgacacctct ctttgcaata aatgccactc    360

tactnncgaa ttcttgaaga tatgttgatg atgaaaatac atacctcccc ccgacacttt    420

                                                                     440
gttgggaaag cacctgcccg
```

```
<210>        8485
<211>        385
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8485
```

```
tgttcttgat tgttcctcag ttattctaca cgcatggaga catttacttg gccttcattc     60

aactgccctt gggcttgacg gccacgctca acaaagtact ttcgagacct actgtacggt    120

gatttcgcca atgctgttat gggaatgttg cgacgatcct ttaaaacctt attgaatcat    180

tctaagaggc tcgatgtcat gtgggcatat cgacgccctt ctctatcgta cagcatcgac    240

cgttttttcct ttgagatgcg atcaatccat gctgctatgg ctggactcag atcacaaatt    300

ttctgtaaat tgtgatgacg acatgtgatc gcatggagtg tccgctgcat aaacttagtt    360

                                                                     385
atgaataaca gttntaacta tctat
```

```
<210>      8486
<211>      489
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8486

taagtcacct gaggcatgca agcttgataa tgatccccta tcaatgataa ttctatatta    60

tatatagtgg agcagctatt tgtgaagaat aaatggtata tgtacgaaca ataatttttt   120

ttatatgttg ttatttaatc agaaatgatt atacataata aatttattaa tatttataat   180

aattaaataa aaagttatat taatattttc tttattaacg ctatatattg taaatttgac   240

actaataata catgtatatt aaactcattn tgaaatcttg aacgcttact cattctaggt   300

ataatgtcac actgaatgtt tggagtaaca agaggtgaaa tccaagacaa aagttntatg   360

atagggaggg aaattangta tagagaccta tatttaagaa ttatgatcaa tagtaacttc   420

taaattattg gtatagaatt tatcaagtct tttttaacgt aatagtagca tagagtagag   480

tttatgata                                                           489


<210>      8487
<211>      270
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8487

agcttgtcct ctccgatgga agaataccgt gacatatgtc tcctgggcct tataaaggac    60

aatgaagtca aagtcaacct atgcttgtac ctactncatg ccaattgaat ggccacagca   120

acccaagttc tccaccctgg tgagtaatac cttgcacttc tcttcacctt ttccttaaca   180

aatgtgtacc tgaaatgttg tgtcacatac ttcacgtcct gtgctataag gccgaacgcc   240

tcggtggttt ccaacgtgat gagtgtggat                                    270


<210>      8488
<211>      287
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
```

<400>   8488

taccccttcac agtcgacact gatgcttctg caaacggaat ggtggcaatt ctgtcacaac   60

atgactcacc caattaaagc ttttcatgaa acccttact cagaaaacgc atcgggcgtc   120

tacttactga acacagctga ntcctactcc cacctgggtg aagaaatggc gactatatat   180

tctcggacac agcttcacac atcttaactg atcatcctag cttgatacaa gctatgaccc   240

acgtcgccca aactctacag aaccatacct acttagtgcg attaatg   287

<210>   8489
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8489

agcttctaag tcattttctg cttatctctc acacttaact nngaaaccct tttgttcatt   60

actaaacaag ctaaaatcac aatcacaagc aagatgtact atctacatgc tagaaagaaa   120

taaaatgaga aaagagaagg gaaagaaaag tcgggttgcc tcccagtaag tgcttctta   180

acatcactac cttgacgcat catcctgata tccacgatcc aataatgttc ccacttccaa   240

gaccttcttc tcacgtcttc tttcttccat cacatgaacc ttatgataga tattccggtc   300

aggtggctct ctatcattac gaaatagatc aaagctgatc ttctgatctt cta   353

<210>   8490
<211>   309
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8490

tatggacaat aaaatacgcg gtattgagaa gagcattttg aaagaagctt ctgtgcctga   60

tgctgagaaa gatgttncac tatcttacac cccgaatgtt tctgtgcctg atgatgagaa   120

agatgattct acatcttccg gcctaaatgc tgagggactc cctttatcca cgggagaaga   180

atcaacagaa gaagaggatt tagccctaaa tgagactcct gtaacgcggg cgcctgaagc   240

tgctgcagtg aactaatgac ctgtagacat taatgtgtga agaaccattg ccacacgtgg   300

ccctcgttt   309

<210>   8491
<211>   360
<212>   DNA
<213>   Glycine max

<400>   8491

aaagctaaaa ttcattcata tatcttagaa accaaaatca gcttctatct aagagaaaat   60

catcttcaaa gtaggtcact taatcatgaa aaactctaag tttcatattg gacaaaataa   120

cctcatgagc cccttttcttt tcctatatat agaggagacc aacaaaccat atatgaccaa   180

agaattaagt ggaattagtg ttaggcaaga agctcctcaa tcaatatttt tatatttcct   240

tttgagtttt caaactcaag gaatttagac ggcttgagaa tgtgtttttaa atcacaatca   300

agttttttgtc ataataagaa gtgtcgtgga tatcatggtg gacaaagcca ttgggtcaat   360

<210>   8492
<211>   487
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8492

tagcgtgaaa gaggcatact gagactcaac tctctaatga atacatcata agcctgagta   60

tctcattgtt gggagcctga cagaccaacc tcttgtaata taactcttcc ttactatcta   120

tttaatgcaa tcctgcgttt tattgttctt ttatgtgatt tgttgctgtt gattgttgtc   180

tggcaactca tactcatgca ttgtttagaa aataatacat tgaaatatgg ttattttcta   240

aagaattggg aaaggacatc aatatgaaat cattgctagg aataaactga tgtttgttta   300

gcctatttca tgcatctttta ttcttaatct aatttactat tttatctcta ctaaggaatt   360

cgggaaagaa aatagataaa ttangcttat catgcggcga acccaagata gagtatcata   420

gtagaggtgg gtganaaccg agataacatt agatagagaa aaattattaa agtcgcatca   480

caagtag   487

<210>   8493
<211>   226
<212>   DNA
<213>   Glycine max

<400>   8493

```
gtagtcaaag agaagttcaa gtccatagcc atcaaagtct gaagagagta tgatgaacta    60

atggacgtca atatggtcac cgatgaagcc ttggaatgag aaacccagaa tgcccgaaag   120

gaagaacacg accaaaacaa gttttgaggg gctttatatg gcagcaatag tgagctcaag   180

ctccgaagag gtgaaaggaa tcatcacggg tcataggcat gatctg                 226


<210>     8494
<211>     463
<212>     DNA
<213>     Glycine max

<400>     8494

tagcgctcaa taatgttctt gtgaattcga gtaactaacc tgcgaattca caagacacga    60

tttcacacga gtaaaagaca ataaacccat acaaaaaagt ggattacaag tatcatataa   120

agatttatga ttttcgcgtt ataaagtcga aattactttc acgacttact tttaaacaaa   180

aattaattca caaaatacct tatttaataa ttttgaaaaa aattatccca aatgataaca   240

aaaacccatg tagcaccttc aagttctacg gtcacctctc tcatttatag aaccaccaag   300

attgaattta cagccattgc ccatagatca aagtacctca gctttctgaa tgtctcattg   360

gccatatcta gttccggaaa aactcttctc tatttatcta ttggaatctt caccaaaaga   420

gatatagaca cacaatctta tgagtcctaa gtctgaccca tag                    463


<210>     8495
<211>     328
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8495

tgcaagctgg aatcatttat cctatctcct acagccaatg ggcgagtccc gtccaggtag    60

tcccgaagaa gaccggcctc acagtgataa aaaatgagaa ggaggagttg attcctactc   120

gggtgcagaa caggtggaga gtctgcattg actataggag gctgaaccaa gttaccaaaa   180

aggacaattt tcccctgcca ttcattgacc aaatgcttga acgcctggca agaaaatctc   240

actactggtt ccttgatggt ttttctggtt atatgcacaa tactattgct cctgaggatc   300

angaaaagac cacattcacc tacccctt                                      328
```

3612

<210>   8496
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8496

ctcagcttct aaggaagttn tctcaagaaa gcttctcaag gaagttttct aagaaagctt   60

ctcaaggaag ctacctagtc tataaataga agcatgtgta acacttgttg taactttgat   120

gaatgagagt cttgtgagac acaactcaaa gttcaacttc tctccctttt tcttccttca   180

atttcgtgct cccccctctc tctttctttt cctccattga agcatcctct ccaagcttct   240

tatccaaggc tcatcttggt ggtgaagctc cttcttccaa ggcttattcc ctagtggatg   300

gcgccgcttc ttacctcttc tcctttgtct tccgctgcat ctccatggtg aaaaatcacc   360

attaaaggac ctcattgaag ctcanagatt cagcctccat agaagctcca caagcaagct   420

tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttan acctccatt   479

<210>   8497
<211>   345
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8497

agcttgatgt gtttgttgaa gctaataaaa ttatgctcaa tattgaggta acaactttcc   60

atttgaggta ttntatgcgt ttcttcctgc atatatctga agccacccag aatgaacagt   120

ttcacttttg agtctgattg gttcttttcg tgcaaactcg gttccatggc caagataatg   180

tctaccaggc atttctagcc atattgaaga tgcacaaaga cggaaacagg actcccctgc   240

agcttacgag gaggttagcc taatatttta tggcagtttt atattggtcc ttctattttt   300

cttacacttc ttttgggaaa ctcatttaat tatttattga acttc   345

<210>   8498
<211>   466
<212>   DNA
<213>   Glycine max

<400>   8498

tgaagtgaac acgatatgac ttttgtacaa cacacaaaaa ggatgcctga tagatcaaat   60

atatgattct tgcctacgaa cttaatagga tatgattttt gtataggaat acggtgcgat   120

aggatatgat ttttgtttgg ttaggaacgt aaagtaaaaa aaacctgata gaaaaaggat   180

atgatctttg tataggaatg taatacgata tgattttgt atagcaatgt aatacgatat   240

gacaggatat gaattttatt tgctctagaa tacaggaacg tactaaaaga taaaagaaac   300

ctactatgaa tagaacaagg aatgttaata gaaatacgag aactaataca aaatcatgag   360

aaatagaaag gaacacctga ctcacacctt gtaattaaaa ttttacttaa ttatacgaat   420

ggaatctgct cgtttcttaa acaataatat acgtatctat atatat   466

<210>   8499
<211>   146
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8499

gtaactaact aactaaaaca actaacacta atatatagag tgactactca caaggaatgg   60

atgggccttg attangctca tctaatctat ttaantaaac taactacaca acacaaaacc   120

taaactcaac ccaattattc aagtga   146

<210>   8500
<211>   90
<212>   DNA
<213>   Glycine max

<400>   8500

atgatgatgc tcgtgatgtt tatgtgctga aatttatgat ggacacactg ctacagatga   60

agggtagagt taacctacgg ctagaaagcg   90

<210>   8501
<211>   347
<212>   DNA
<213>   Glycine max

<400>   8501

agcttatata gaaagttcgt tcctaatttc tctattattg catcacctct caatgagata   60

gagaagaaga atgtggcatt tacctgtggt gaaaaacaag agcaagcctt tgctttgctc   120

aaagaacagc ttactacggc acttgttcta tctcttcctg acttttctaa aacttttgag   180

ctacaatgtg atgcttctgg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct   240

attgtcttat ttagtgaaaa acttcatggt gcgacccta actactccac ctatgataaa   300

gagctttatg ccttaataag agcactcaga acttgggaac attacct   347

<210>   8502
<211>   382
<212>   DNA
<213>   Glycine max

<400>   8502

taagaggtat gacggtgcta atggatgttt tccttgatat cttatggtag aaagattgtt   60

taagaaggag tgccctttg atatcacctt ttgttgcaaa atgattctcc ttcttaataa   120

tcttcttgga ggaatccttc tcctctcttt ccttcccctt ggcctctaaa gacaaggcct   180

tactatcctt gcttttctag tttttcttcc ttatccctct tacctttcat agttagtcga   240

tctttggcca cctgtgaagg tgtttgacga tgctacacat atacagtgcc aagatgggtg   300

aggtgtattc cactcgatac gccatctgaa aagatcttca tataaatcga catggccttc   360

ctagaagaat atgtcctgcc tc   382

<210>   8503
<211>   168
<212>   DNA
<213>   Glycine max

<400>   8503

agcttgactt ggcgatttga ttataccctt attttacttt tagttattag ccaattcaat   60

taagaatgag acatcccaaa gagaaaatgt ccgattgatt tttgtgcttc atcttactaa   120

aagatatatc ttcttataat tatattatta ttatacctct tttttta   168

<210>   8504
<211>   342
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8504

```
cttcgtctta cagacagcaa caaataatgg ttatactgtt ctccactcga gtatttccgc    60

cagtcagcgt gactcanatg tgagtatgac agatcttgtg agcgcggaag atgacgtaaa   120

tctccgcgtg ccaacgggct tgtcggctga gattgacgaa gggcgcaaaa gacgacgtta   180

gtctttgcgt gctatcaggc ttttcgtctt acagacagca ccaaataatg tttatacgga   240

tgaccactcg ggtatttccg cctgtcagcg ggacttaaat gtcagtatta cagatcttgt   300

gagcgcggaa tatgacgtcc atctccgcgt gtcaaccggc tc                      342


<210>       8505
<211>       313
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8505

agcttcggta ttcaatntcg atcgtctcga tgtattacgt gactcaatca gacatctgag    60

taaaaacgtt attgtcgctt ggaattgctg aaagcttcaa cattcaatgt cgagcatctc   120

gatatatttc gggactcaat cagacatccg agtaaaaagt tattgtcgta tggaatttct   180

gagagcttca acattcaatt tcgagcgtct cgatgtatta tgggactcta tcagacatct   240

gagtaaagaa gttattgtcg ttggatatgt gccagagctt caacactcaa tttcgagcgt   300

cttgatgtat tac                                                     313


<210>       8506
<211>       436
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8506

tgcatttgga attgcgaaag ccccnctcca tcattatgta ttgttcctgc tatctcanac    60

aaacaaatca aacgtaacaa dacaattata gttgctgttt gaatacctca cccactcaag   120

tgtatcacac aattatggtt gttctctaat gaaacactct tgccttttac cactctaatt   180

ccncttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat   240

atgtgtaacg taaggctaga gagacaagga aaaggttaac caagataaag gctaacaatg   300

tttttacgca caaatgaagg aaataaaatt cagaatttag gaattcaagt aacaatcctt   360
```

```
catgcaacca atatattacc ttacagagat tttnttatta aagatcttca agcatgaacc   420

attcagccca atttta                                                   436


<210>        8507
<211>        268
<212>        DNA
<213>        Glycine max

<400>        8507

aaacatgctc tatattcatc tcccactcca aggaaggcct cggatcattc ttttccttta    60

atggaggaat gctgagttta ataccatcaa ttcggttttg tctaagaaca ccatcattcc   120

cttcttctct cctttcttct tcattatgat ctctattctc catttgaacc aacctctcat   180

ggagcgcatc atctcgttgt ttcatagacc tctccaaatg ttgcatcata acttgcattt   240

ggaatcgcga aaacccctct ccatcatt                                      268


<210>        8508
<211>        518
<212>        DNA
<213>        Glycine max

<400>        8508

ccgtgtgcat ctgtcctacg aacagaacac taagccttac tcgatgtgcg gcgtgcgcat    60

accacataga tactctgcat atttaacaga cgacgctctc cacagagcca tatggtgatg   120

acgtcttcac tatcgtgtaa cactgcggcg caagacagta ttgagatatc ttgaagaacg   180

tcaactgcaa ttctccagaa attcacacgg atttaagtgt gaactagcat gtaagaccct   240

cgcgcatact atatgcagac tcttacaata ggagccgcta tgttcctaat aacactatca   300

ggttatgact cttaatgtcg caggccaaat cacgcacctg acttatgtcg aggctggcag   360

tctaacaccg agaactctct agagatctca atagtattag cgtgcaactc cgatgtgcgc   420

ttcgagccca tggaacctca ccatcccaca ggattgcgac cgatgctcta agacaatata   480

tggtctctct ttcacatgat ggccacaaag ccctgtcg                           518


<210>        8509
<211>        411
<212>        DNA
<213>        Glycine max
```

3617

<223>   unsure at all n locations
<400>   8509

agctntgatg ttgttattgc aggcaatatc acatatagaa acagcttatg ctttcgttgg   60

agagagctct gcaaccaaat cctttataga gaacatggaa gaacaatatc ttatatgcaa   120

aggggaggca cttgtgaagg gagttaggat agggatatat cacacagaga gtttctattc   180

tttggctctc attgtatggg ttggagttgt tgtggttaga gccgaaagag caaccccata   240

agacataatg actgtcgtga tgagtattct ctctggtgcc atgtaaggaa gacatcacct   300

tcacgattgt ttagaatgga gaaaatggtt aataattaat aactaagtaa caatagtctc   360

cttgtgaatt gcatatctct cacttacgca tcaccagaca tgtnnaatat t   411

<210>   8510
<211>   312
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8510

agcttctcca nagaacacag gatcatcatc atactgcagg atatccacag gaaccttgtt   60

cttccccacc aggaagcttt tgaaacatgt ttgagatact tgttgcctca taaaccctgt   120

taggccttca gccactaaat caaagagaaa aggggccaaa ggatctcctt gtcgcagccc   180

tctttgaggt ttaaactctg aagtagggct tccattaaca agaatagata tggaagctga   240

agagaacagg cctttatcca tctaatccat ctctcatgag accccattct cttcatatat   300

aaatgagaaa tt   312

<210>   8511
<211>   294
<212>   DNA
<213>   Glycine max

<400>   8511

tcttgaaccc tcaccgcgca ctctttcata atacggagac tcctgacacc catcaagtgt   60

accccttct atgctctctg gacatgaata cgcctggttg gtttgcacca accacgcgga   120

tatgaatgga aggcttcttg ccacttcatt ggctctttaa agtcgcatac ttcactatat   180

tattgctcgt atcttactcc ccagatcttc aaaccttgca cacgtttctg aagaagatct   240

tatagtcatg tgggccttтc atatcgaccg accaagcgat tgggccactt aacc   294

<210>   8512
<211>   405
<212>   DNA
<213>   Glycine max

<400>   8512

agcttgccga tatagcagag cttgctgtga gagagtatcc aagtgagcgt ccacctatgt   60

cagatatagc atcttggttg gagcaaactg tgaaggacgg attgatctta tagcattaat 120

cattgccctg tgagaaactt gtttcgaatt ttgatccatc cacaatatct tcttttttcat 180

aaatttctgt gagtaatgct ctcttctgcg attgtaaaat gttttgagtt tgttgtaaat 240

tgcttatctc ctttgtagta gttctttggg tttactтttc ctaatcttca cgaagtgaag 300

gacatggcat tattgcaaca tacacacatt gctgtgaatt tttttcctct catataagcc 360

taagaccatt ttcagcatac agatagaatc aattacatgt caaca   405

<210>   8513
<211>   375
<212>   DNA
<213>   Glycine max

<400>   8513

tctctagcgt ggcgtgcgta tgatgatcta cttcagatga attatactct ggcgctgatc   60

gaagctgtgc tattagatgc tgagcaaaaa agatcgcaca acaatgcgtt gcatgaatgg 120

ctgagatata cacagcatgt gttccgcgat gcccaaaaca tattccacga ttttgagtgt 180

gaagcattgc acaaccgcgt tgtcgacact cacggtagca tttcagagaa cgcgcccggt 240

cttgactaat aacactatca tttatcgcct tacaatgacg catgagatac aagacattaa 300

catgaggctg aggaatgtcg catatgatag attcgcattt gttggccttg acatcattgg 360

tggtgataca cgtgt   375

<210>   8514
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8514

3619

ttgagcaatt canatggtca taaatagtca ctcggaggtc ctattcacgc acataattta   60

tcgagacgct ctaaattgaa caacggaagc tctcataaaa tttaaatgct cataactttt   120

aactcggagg tccgattcag gcggataata tatcgagacg ctccaaattg aacaatggaa   180

gctgttgagc aattcaaatg gtcataaata gtcactcgga ggtccgattc aggcgcataa   240

tttatcgaga cgctctaaat tgaacaacgg aagctctcaa gaaattcaaa tggtcataac   300

tttaactcg gaggtccgac tcacgcgcat aatatatcga gacgcccgaa attgaacaac   360

ggaagctctc gagcaattca tatggtcata acttttaact cggaggtccg attcaggcgc   420

ataatatatc gagacgctcg aaattgaaca acggaagctc tcg   463

<210>   8515
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8515

ctcaatagtg taatggttgg acacatcaca aatgatagta ccactttgtt accatattac   60

aattagagtt ttaagtacaa taagaaaaga aaagagacga aaatactaag aaattgatat   120

tgacttgaca tgatgtgatt tgctaaaatg tgtggatatg atatataaaa tcaaaagcat   180

caaccctttt taaggaaaaa aatcataaaa tattagaaaa catttaaact aagaaaatag   240

aagataataa ggaaataaag aaactaatcc taaataccaa ttaaaatgct ctatgatatg   300

acaaagatna ctatggatat tttcatatac tttaccaant attagtctat gtaaagcaag   360

aatcat   366

<210>   8516
<211>   493
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8516

aaggtagtca tacctcacaa tatatatata tgtatgttta tgtagaaaga taccttggat   60

atgcatgtat gtaacaaaaa atatacttca caaatatat atatgtatgt ttaggtagga   120

agatacctta gatatgcatg catgtaaaca aaaaatatac ttcacaaaat atatatttgt   180

3620

atgtttaggt aggaagatac cttagatatg catgtatgta aacaaaaaca tacttcacaa 240

aatatatata tgtatgttta ggtaggaaga taccttagat atgcatgtat gtaaacaaaa 300

aatatacttc acaaaatata tatatatata tatatatata tatatatata tatatatata 360

tatatatata tatatatatg tgtgtgtagg gacgaagata ccttatatat gcatgtgtgt 420

aaacaaanan atacttcaca aaatatatat atgtatgttt aggtacgaag ataccttata 480

tatgcatgta tgg   493

<210>   8517
<211>   352
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8517

gcttatgcgc atacttcttt acgaacgttc acttgcacaa gacattctta taactaagaa   60

aaatgcaccc atgtacaatc aaggcacctt cgttacctag attatttata tgtacttcca   120

aggtgtattt gttacctaca tctcatgcac ttccttggct aaatttacat acatgcgtac   180

tcaaagcatt tggggtacca aaaattgcac atgtgcacat tccggtattt ctaatactta   240

tgcatataca aactttgtga tgaatcttgg ctatctacac aataaggtga tacatttcat   300

gctntattca agtggttttg ctacctaaag ccgcatgcaa attcaagtat ag   352

<210>   8518
<211>   476
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8518

actaagcttg caactcttac aacanagatc gatcattntg aagtaattca cttagtatat   60

ataatttgtg caagttgttg ttgttggtgt tgtgcaattt gtccttcgtg caatctccat   120

tatgatgttt cacatcagat tctaaaactc aacttcaac aaaaaaaaag catctccaaa   180

tgttttcaac ttcattcgtg taacgaaccc tcagtaattg tgattcatat ggaagatgag   240

atgttgcctt atgtacaaaa ttgatactac aaactcaaag caagtaatcc tgatgtagtt   300

tctgctacaa cttcattctg attctggctn ttcatagtag tctctaatgc ttcctcttag   360

3621

agagaccttc ttaatgtctt tgatactctt tcaaaaagag aaattggggg agtcgccact 420

aacatttatt taagacaaac atatggaaaa caaacaataa ataacgaatg atctac 476

<210>   8519
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8519

acgtgatagt tgcnttgttt ttctttatgt tgtaattgag attgagtcta gatttgcatt 60

taccaaaagc actttgtgtg aatgtaagaa tgtatttggc ttctcttaaa tttttttattt 120

gttattctgg caaatgttag ttattagttt gtgagttctc tcacttcatt tcttccttta 180

atcaccaaac caaccttata acttctttgg tttctcttag ttattaacaa gaaaatcaat 240

tattgatatt tgaacatgtt catgatttgt tatgcatata cacataacat tatgagctct 300

ttgantttnt aattaatgac tgagataact taatttaccc tttagagtga attgctcact 360

acaaaggagc tagatcttgt anggaatgaa gctntangtc tatacactgg tttttaattt 420

tactttctgt ataacaatca tg 442

<210>   8520
<211>   486
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8520

tctagggatt aaacataatt aagggtattg aaaaacaaat atttaacaga aacattgtat 60

gattcttttt cttgggaatt ccaacggcat gaatgagttg ataattggtt gattttgatc 120

cacaggtcac tcaattgaga tttgaagcca aggctccaat tatgtggtaa attatgacta 180

ttattgttgg caacacctaa aggacatgac aacttcacga cgagcattta agatagatag 240

aacaatcttg gttcagatct ggctggagag actgcagcag ccatggtagt tacttccatt 300

gtgttaagga aaaccaaccc acattactct cacttgcttc tacaccaggc catgcaagtg 360

agtcattact caatgctttg tgtcctagag atcacaattg aatgcactat tatactntga 420

attaaaaata aaatagatta gtactgcagg tataattcaa tctacgtata gtatatatat 480

actact

<210>   8521
<211>   299
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8521

ctacttgatc cacatgggct ctattgtgct tgttactcgg tcacgggtaa gagggccgtg   60

aaagaaagga ttataggctc acagagtgtt tgagggttat attgagtaaa aacctcaaga   120

gcattgctcg tacctttggg ttggactcta ttccttttgt cttatacatt aatcttccat   180

cgcacttttg tgcctttctt gcaaaaaatg aagatctttt gcctctcttt ctcttcactc   240

gcctnttgca gatangattt attatgtttt ttattgctac ccaacttcat gcatgtgtt   299

<210>   8522
<211>   379
<212>   DNA
<213>   Glycine max

<400>   8522

atcttaagtc acctgcggca tgcagcttaa catttcaatt cgtgcgtctc gtatgttact   60

ggactcaatc agacatccga gtaaaaagtt atggtcgttt gtattggctc acagcttcaa   120

cattcaattt caagcgtctc gatatgttac gggactcaat cagacatccg agtaaaaagt   180

tatggtcgct tgaattggct gagagcttca acattcaatt tccagcgtct cgatatgtta   240

cgggactcaa tcagacatcc gagtaaaaag atatggtcgt ttgaattggc tcagagattc   300

aacattcaat ctccagcgtc tcgatatgtt acgggactca atcagacatc cgagtaaaaa   360

gttatggtcg tttgtattg   379

<210>   8523
<211>   469
<212>   DNA
<213>   Glycine max

<400>   8523

agctgacctt ctggtcctcc tcatagttgt ggcatgagat ttcatgctct attttcatct   60

```
cccagtccga gtaggcctcc ggatcattct ttcctttaaa tggaggaatg ctgagtttaa    120

taccatcaat tcggttttgt ctaggaacac catcattccc tcttctcctc ctttcttctt    180

gattatgatc tctattctac atttgatcca acctctcatg gagcgcatca cctcgttgct    240

tcattaacct ctccatatgt tgcatcacag ctcgcattcg gaattgcgaa agccccactc    300

catcatcatg attagtacct gacatctcat acaaacacat caaacgtcac aagacaatta    360

tagttgctgt ttaatacctc acgcactcac gtgatcacac aattatggct cttctctaat    420

gaaacactct agcctcttac cactctaact tcccttgagt tcttacgca                469


<210>      8524
<211>      271
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8524

agtgaacttt atagcggggg tgatcacaga atggaaggat attccagttg agcttttgat     60

gcagattttg tcacttgtgg atgatcaaac ggttatgata gcttctgaag tttgtcgtgg    120

gtggagagag gcaatttgct ttggcctgac tcggttatca ctctcatggn acatcatctg    180

tttttttacc ttcccttcta atgctttatt tcacttttga ggttattatg cttgtggagg    240

cagtgaatat tgaaaagggt gatttttttt t                                   271


<210>      8525
<211>      474
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8525

gaagaagaag aagttcaaag agattcttgg cttgtaaagg attgtaatga attgattgga     60

tagaaagatt ctttataaga ttgaatgaat aattgaatcc aaaacaaagc ctcgctttta    120

tagactcttc atgtctggtc aagaggacca ttttgaagag ttataacttt tagaaaaact    180

tacaaccaat ttgaaaaagt cgtaacccat ttgaagagtt acatcttttg atttattcag    240

aaacaatcac tgataatcga ttaccaaaac agtgtaattg attacacaaa gctttatgt     300

gaaaggatgt gactcttcac atttgaattt gaatttcaac gctcaaaggc actggtaatc    360
```

gattaccaaa acattgtaat cgattacaaa tttctgaaat caattggaac gttgtaaatt 420

catttgaaaa cttttttcaca tccattntgc tacaggtaat cgattactat agag 474

<210>   8526
<211>   407
<212>   DNA
<213>   Glycine max

<400>   8526

gcaagcttgg cttctacttt tattgccgac gttttatgat gtatacaaac atgccactca 60

actttatcat ataacattca taaaactaat atatatatat atatatatat atgcttggcc 120

aacatacacg cctggtcacg aaattacagt gctttaattt ggaagagagg attgaaatta 180

attcaggatg tgaattgcga aatatagaaa taaactaatc agcgtgcaac aaccgggttt 240

accttggctg agcaattact tgtgtgagca ttataaattc tcttacactt actttaattc 300

ttatgggaaa agaaactaat ctatccacaa gtaagtcatt gatttgaatg tattacattc 360

gaacttttag tgactatttg gattccaatc tgaaaaaatg tgacgat 407

<210>   8527
<211>   475
<212>   DNA
<213>   Glycine max

<400>   8527

gtaatcttca ttacctaatg gtttattatg ctcccatttt ggactatatg tcatcaaaga 60

ctaaaatttg tgctataaag gcatgcatat ctatgaggac agaatggaat atccaacaat 120

cgctactatc tctgtagata aatgaaacgg aagctacatt tatttctggt ggcctgaaca 180

tgctagtaag taattccatt gagatctgac cactatatac atctttaatg agatatatcc 240

accaataccg gagagaatca gtctatgaag aataatatta ccatgatgca atacaacaaa 300

gtagaagaac tggccataac ttcattcgtg ctaaattaat taaaccaaat acatatttaa 360

tgggtataac ttaattgaca atactagata gagctcgcgg gaaaaaaact accatacatt 420

tccataaata cattcttgtg aagggatgaa acatgttaag atgtgcgact aagat 475

<210>   8528
<211>   342
<212>   DNA

<213>   Glycine max

<400>   8528

cttatctctc acatggattt cggttttctg ataaagaaaa aactaaccct cccttggaa   60

ggaaagttgt ggtattatga ggaagattta gaaaaatact tccaatcatt ccaaaagaaa   120

gaagataagg tgttgttcat gctagcatta attcataata atctttgcct ttatgtaagg   180

ttcttacttt aacaaaaaat atgagtcttc aatcaaggtc ttctaatgaa catgtttctt   240

aattgaaaga atttgtaaat tgggtgtgga tattggaatg aaactattgg tgagattcat   300

gacaaagaaa atgccattga cattccatct tatatgctta tt   342

<210>   8529
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8529

agcttcctta agaagattcc taaagaagct tgagcttagc tacacatacc tctctaatag   60

ctaagctcac ctcctcgaga tgagaagcta gagcttagct acacaccacc tataatagct   120

aagctcaccc ccatgacaaa aaacatgaaa atacaaaaaa agtccttact acaaagacta   180

ctcanaatgc cccgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa   240

ggcccagacg aaggaaatgc ctattctaat atttacaaag ataagcgagc tcatacttag   300

cccatgagct cgaaatctac cctaaggctc atgagaaccc tagggccttc ccttggatct   360

ctagccaatc tacttggagt cttctaccca atgcccttgc ggggtaggat ggcatcattt   420

ggcacataac taanatttca t   441

<210>   8530
<211>   317
<212>   DNA
<213>   Glycine max

<400>   8530

cactttcttg tgtacaacgc gagctctgac cactgtcctt gctttccgcg gcgctgtttt.   60

tcatgtccgc ctgagtgggc ttatatccta aaccatactc tccacgagtt ccttgggttt   120

ttatcacgct agttatgccg ccattgtctt tgcctaaacc catcccgggt tcataacccg   180

3626

```
ttcccaacat aactcgggcc atcattaccg ccgcatcgga cagacaaggc tgtcccaaga    240

gggagtccac cgaggaaatg ctgaccacct caaaagactg gagagcggtt tctaacgatt    300

cttctgcggc ttccaca                                                    317


<210>    8531
<211>    257
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    8531

agctttcttg ctctctttgg tctccatcta ccttgaagnt gnatgttctc catctaacca     60

tcattttgtc taaggtcgag catcgtgttc gtcgcactcg agcatcgtca gaagtctgtg    120

cttcttctcc ttcgccacct cacgtaggta tgtttggtct aatcctgtat gaagtattga    180

ttgcattcat gtatcgcaca cttagtgaac taaacatggc tagggtatct catatttaac    240

tcgagcatcg tgacaac                                                    257


<210>    8532
<211>    395
<212>    DNA
<213>    Glycine max

<400>    8532

cctgtattgg ccttacctga atctacaaag actattttag tggaggcgga tgctatatga     60

gtgggggtca gagccgatct cataccagat caccattgca tagcctttat aagtagaagc    120

ttaaatgttc agcaacaatc catgtcaacc tataagaagg aggtactacc tgtggtgctt    180

gttgtacaaa agtagagaca ttacttatta cctaagcagt ctgtaatgaa aactgatcac    240

acaagtctcc agtatattct tgaccagaga ctttccacag ctttccaaca catatgcgtg    300

gtaaaaccta tggaatttga tttcattatt gaatacaagc acggaagtga gaaccaagct    360

gctgatgcac tctcaagagt tgaatgtgct actat                                395


<210>    8533
<211>    413
<212>    DNA
<213>    Glycine max
```

<400> 8533

agctnttcga ttcattctat gcacccatgg tggtccacat tgggtttttgt gtatttctat 60

tcttgtttca tttgctttttt tatacccctt cttgacgtgc ttcagccatt ttacttaagt 120

catttctcgc ttaacttaaa aataaaataa attttcaccg aacgtttgaa ttgtattatc 180

cgttaacttc ggttaaaatg aattccgacc gttcggtcgt gccgtaacca cgttggaaat 240

caaaaagagg taaaaaataa tataataatc aaaaatcatc ttttagtaaa ataaagcgga 300

aaatcaatcg gacgttntct ctttgggatt tctcattctt aatcgaatgg attaataact 360

aaagtgaaac taaaggctaa aatcaattcg cctagtcaag ctcgtccata aaa 413

<210> 8534
<211> 415
<212> DNA
<213> Glycine max

<400> 8534

ctcttaattt cattctcttt ctcgagtctc cttaccaatt ttcttcaaag aatgataaag 60

gtatgaaatg ttacacaatt aacaaaatac caatttaaca atttcagatc aaataaaaca 120

aaattagcat tactatccat ttcaaccatt gaactaattc attaatagaa ggataagtta 180

ccttaaaacg ctggaaaaaa agttcctgat gatcttttgg aattgctccc gatgtagaag 240

gcttaatgga caatgtgaca gcctttgctg caaccttaga tggatgcaac ctaaatacaa 300

aaaataattt gtgaaaaact aaaagatcaa atgatgtatc atatataatg aacaataatg 360

taaattttgt aatacttaca ctccattgat aagtgtaatc atacgacgat cattg 415

<210> 8535
<211> 333
<212> DNA
<213> Glycine max

<400> 8535

ttatgtcaca tccttccatc tgaatcttgg tgattcatgt ttgaatctat atgcattcca 60

ctggacatgc atagcacatt tacatacact gctgaatgat aaactgtttg acctcactat 120

caaagctgtt aatgatnctt aatggtttcc attttttgat aggggggccaa gtgaatggga 180

tgcctttgaa tggatgcatg ttgagtgctt tcctaattag atacagctgg cttgcttgtt   240

acctcagaaa gaaataattt angaagttaa atntcaaggt cacttgtcta tcttttgaag   300

ttttaaattt aataatttat gacttctgat cat   333

<210>   8536
<211>   495
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8536

ntanacttgt tcttacttga taatggttat agacttatag ttataattnt taagcaacaa   60

acaaaagaac tcatgtgaga attgactcat ggtcaagaag atgttctatt tattttaatt   120

actatcaatt tagaatttat ggtgaaataa aaaaataaag caacctgtta aactcggtag   180

aatgatagaa aatttagata atttatatgg catcttaagt atacatctta ttatcaccat   240

tatataaaac aaataaataa aattaacaaa aggagaaaat aatttatctg ccaaccatgg   300

attttttttt tatactttta tctaatcata aattaacata tacaataaaa ttgttgattn   360

ttttatagta attattttca agttatagtt atcataattn ttaattaact gatagtgtaa   420

aattatatat taataaaata taaattaaat tcattaacaa aagaacatta taaagtgtct   480

gtgcaaaatg aaatg   495

<210>   8537
<211>   259
<212>   DNA
<213>   Glycine max

<400>   8537

atataaactt cttcaaacaa atctctattc aaaaaagcat tattaacatc taattggaga   60

agacactagt ttctaacagc aacaacacag agcaaaactc ttacagtggt aagcttggcc   120

attggagaaa atgtatcaga gaaattgatt ccagcttatt gagtataccc tttggcaacc   180

aatcgagctt tgtatctatc cacaaagcca tcattttata tttaacctta tacacccatc   240

tacaaccata catgcttat   259

<210>   8538
<211>   496

3629

actaagctat cttgaactaa ccaagccctc tggtatggta atcgattaca aggaatagta 60

atcaattatc aaaccctaaa acatagttnt ttctataaaa acttactatt gtttactcat 120

aaaacctaca cactcattgt aactattatc aacaacaatt aaagatccaa aatagacatt 180

gaaaaacaag catcataaac ttcttaacta caatcatcaa gcacaatcaa aaatacaaaa 240

acaatcatca aaacacaaac aaagacaatc aacgacaatc attaatcttc aaacaacaat 300

taacatgact atcaaaacac aatcaaagac aatcattaag ccacaattaa taataaccat 360

cagaaacaaa ctcaaatata aagaagaaa ataatcaacc gatttaacta tgtatctaag 420

tcattgctat ctaaaagtcc taattctctt ctaatagcaa agaaggtttc tttggggaga 480

496

ggttctgtaa agatat

gcttataact ctntcgaagc aatcctccaa cccttgccta tgaatcactc tgcttgcatg 60

agccttgtca gagctctgta taacctgtgg gaataaacat gacaccaaca ttatgctgaa 120

gagaatattt atgaattagg tcctattttt ggtcattaaa caagaacaaa ggaacttaca 180

acttttcgaa caggcaagct tagcaaaatt cccctgagaa cagggtcagg gttcagcata 240

tcatatggca atctcccatg aacaaagctg ctcaacacac actatatact ttttggattt 300

333

cattatattt aacatgattt ctacgattaa aat

atactcagct agaagaaata agactagtgg ctgaggatag atgattagta tctctggcgg   60

tttaagttat atgagtgaca acaactctgt acaatattnt gatgcacttc aagaacacac   120

acttgagggt tttaatctaa taagaaagtt tgagacggaa ttcacctaaa cttaaatntt   180

tataaaatgg atttatagaa ttattaattt gtgatatcga cgatactaaa agattatata   240

tattacgata gaaaatgtta ttatattaat ttattgaaat gatagatttt gcttgtatgg   300

ccgaagttat ggccacaaat atatatttta gagaaaatta ttaatttttg aaagtttata   360

tgtaacttga aaaacttagc caattgttat aatgtgaact tatgcttggt attcgactgg   420

cgacgattgt tagtggagtc ggggactgta acttaccttc tagagcctat attattacca   480

taactgtgat gtaatcatta ta   502

<210>   8541
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8541

tcatccataa ccaatgcgta atccgaatcc actacactca attgaaatta gatcatttca   60

gaccaatcaa catagttcaa cccactgaac tngattctta atttactaaa agcaaacata   120

ttaagcatag ctgtatacac ttaaaccaac tcacatacct taatgctttg agaaaactta   180

atggattcaa actacattaa ctctaatcat gcatctaagt tcaccgttgg gtgataaata   240

aacacatatc catattaata atgatgcgaa ttaatatact ttaatgggaa ataaatcata   300

ttattcttga catgcatgtt ttctctggaa acacataca   339

<210>   8542
<211>   486
<212>   DNA
<213>   Glycine max

<400>   8542

tatctctaga agacaaataa atgagtttct ttgtactctc aaattagttt atgcacttta   60

tagaaactct cttctctcat atatagctcc tttaaagatg aacaaatttc taaaaattaa   120

cttatataat ttatgtagaa actcttgatt cttctttttc ttaaagcgta tatgaaaaaa   180

cttaccaaaa aagactctgt cattaagaaa aaattatgaa gcttatccgt tggtttgtt   240

ttattataag cttttttatct tcatgtgcgt tgttccctga ttcgtagtaa ttgctaatgt   300

aacatgagtt taatggaaca tattgtcggt gtcaaattac agaataaaga aagtagaaaa   360

tcataactaa taagactctt aacccagtaa ataaactaat cttatagctt gatttgtaat   420

taaataatat tatacaacta cttttagtta ttgatacata gcctatccta tcatcttaca   480

                                                                    486
tttcat

<210>   8543
<211>   330
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8543

gatatttctt gcacatcatt ttctttattt gataacccct ggagtgagta gggttggtca   60

caaacttcat ctacagcata aaagtcacct ggaattttat tagcaagttc atccactttt   120

aatctgtatc ttgttggtca acaactagca gccagtcctg aaataagata gaaatgagat   180

atcttatggt agaaacanaa cacatatact ctatgtatta atacaaagat aaaaaagagt   240

gtacaatcac tagttaatta agtgaatgcc taacaaaatg aacgctgctg aaggaaaaca   300

                                                                    330
acaatagnta ctagttagga attggtaatt

<210>   8544
<211>   290
<212>   DNA
<213>   Glycine max

<400>   8544

ctctggtttc tctgctaggg tttccaagtg ttaaagagta tgttaataga tcgaagtctg   60

cattccattg tgtgcatgcc atgagtattt ctcccttccc gaatattaat ttaaaaatcc   120

cgacggtgaa gatgtggata aatgaattat gaacctggcg tccaagtttt acaaagatcc   180

aacggttaac gagtctgaga ccgatgtttg attgtagttt tactggaata tgttgggtat   240

                                                                    290
atgtggcgga aaaagctacg gtgtgaatgg catttatctc acctgaaaca

<210>   8545
<211>   342
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   8545

gtcctgctta tattctaacc tggataactc tgnagatgca tggatcttca gacagactca   60

aacatatata tcatcatgat ataataattt gtgggcaaaa aactctgcgc acaaaagatt   120

aataaatata atggaacaca cataaattaa ctatactgcg aaaaaaaaaa aaaatacaga   180

aacatttaca ttatttagca cctttagtt acatttattt atggaaatac accccaagac   240

agattactgc ttaacaggat tatttgtttg gttagttaac tcattaaatt atatataact   300

cataattatt tatttatcaa atatttntta tgttaaatca ac   342

<210>   8546
<211>   486
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8546

catagtctga catgaatatc taaatataaa gttatatcta ttaaagagtc cacataggtg   60

acctcttgat ttgcaatcaa atgctctacc actaancgat aaacccattt gatattttaa   120

tcatcgatga tatactagat ttgcaagcca gaaacaaaat tcatttttga gaagaagcct   180

attgttccac gggaagttgt gcgtaaggcc atgatggaaa gcagttgcaa acgttcaagc   240

ttgtttatga ggaatctatg atccactgct gagctatgta tgaacccatt tgatgttttta   300

aaatcaataa tattctattt aatgaaaatg ttactttgga aaagaaaaaa attaatacaa   360

agggcccaac cgggttcgaa ccggtgacct cttgatctgc agtcaaatgc tctaccactg   420

agctatggac ccaagttact gtcagaggca gatttaacac atnatagtaa ttgtccattg   480

ttatgg   486

<210>   8547
<211>   315
<212>   DNA
<213>   Glycine max

<400>   8547

gcttgtaatc gattacacat atactgtaat cgattaccat aagagaattt cagaaaatat   60

```
tctcaatagt cacatctttt tatttcattc ttaaatggcc atcaaaggct tatatatatg    120

tgacttgaga cacgaatttg ctaagagttt ttaagaacaa aaaggtctta tcctcttaaa    180

aagtaaaatc gttttatcct cttacaaatt ccttggccaa aacacttgtg attcaataag    240

gaattatttg agtgctcaaa ttgttcaatc tatctctttc aagagagatt tcttcttctc    300

ttcttcttta ttctg                                                    315


<210>        8548
<211>        487
<212>        DNA
<213>        Glycine max

<400>        8548

tctacacata cgagatattt cagctcaact taagaagcta aaggttgata tgtctgagtc     60

cttcctagtg cactttattt tgaacaccct tccgcatgaa tatgggtcgt ttaagattct    120

ctacaacaca cataaggata aatggtctat caatgaatta atgatcatat atgttcagga    180

agaagaaacg cttgtaatgg agatgggtga gagtgcattg ctgacaactg cttatgggaa    240

gaacacagaa actaagtctc acgctaatca gaagggaaat ggtaaaatac cacctctcgc    300

tgatattaag aaggtggcaa agtgtttctt ttgcatgatg aacggacaca tgaagaagaa    360

ttgtcccgga ttccataaat ggtctgagaa gaaagggtaa tcaatctcat tagtatgtta    420

tgaatctaat atggttagtg ctaatattaa cactatgtgg atcgagtatg gatctactat    480

tcatatc                                                             487


<210>        8549
<211>        401
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8549

atgcattcgg gcacctactt tgaatctcct atgctatctc tacatatata aaacagtccc     60

accattccaa tttcgcaaaa tcatattcat atatcattgg ggcatttcat cgagcacttg    120

gggggtgcac gtttggacac aaattgcaag agaatgggga caatgtggca tacccccattg    180

cttcagaata caacataggc ctaatgcatt ctcacacaaa ccctcaactc aacaaaacaa    240

gcatggattc agatgcgaat tgcttcacga attntgcaaa aaatgagcaa ctaaagcacc    300
```

aaaacacatc aatggagagc caaataacca agggaaatng cacttacttg tggggagtga 360

attanagcgt ganaagggaa gcaaaactca acaatggaag c 401

<210>   8550
<211>   322
<212>   DNA
<213>   Glycine max

<400>   8550

tcggacgaac gacatatctg gcgccaatga agacggagaa gatgatagaa aagcccgtgt   60

tgtgactgcc attacaacta cagccaagtt gtccaccttc ccaacaatgt cattactcat 120

ccaataacaa accttgtcct tacccaccga ccagttatcc acacacgcca ttcctaaaat 180

taaccacaca gcctacctac ctgcactttc aatgacagac accacctta ggcttaacca 240

acacacctcc caagaaacga attgtgtcgc gagaaatcct tataattcac cccaattcca 300

gagtcctatg ctgacttgct cc 322

<210>   8551
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8551

catatgtata tttataaatc ttaaggcgaa atgcatacaa gaaaacagac gggatttgat   60

tcttgtgatt aaccctgctt cccaagaaca cagccgtaaa ttcaggtgag caggttattt 120

tctttaccat gaccatcggc aaacaacctg catgttccaa gacaaatatt atgggttcta 180

ctctatttat caaacattaa gcacaaagca aatttaatct aaacaattaa aaagaaggat 240

attcttgatg ataatacatg ggagaaacaa aactcatggt gtttctattg agggtggaag 300

acaatcatgc cnatttgatt tcatcacaca gatgcaggtt cctagagcat gaaaatatgc 360

caaaccatcc tttaatatca aagtggcact cttactgttc cttcagcaga gaagatatta 420

cttagag 427

<210>   8552
<211>   471
<212>   DNA

<213>   Glycine max

<400>   8552

taaagtttgt aggcctgagg attctctatt atctctctca cacgcacata tataatagtt   60

ctatatataa taatatattc atgctgatag gctcgttggc gtatttgact tcgacaagtt   120

tcttcgcttg tttataaacc ttaattcaaa atagacttat tataaataga cttttgtgac   180

aaatctaact cttaaacaac tcagactaga cttaacaaat caataaatag tttctttgag   240

taatattaga ttctattctt ttaagtaaga ttttatattt aagttttatt gatagaaaaa   300

tatgattgga agaaaaaatc tcattaaaaa tagctcatta ggttctttga tagagattaa   360

ttatcgacaa aactaataaa tactctattc caatagcata attaagaaaa ataaattaaa   420

cttaacaagg atatataata ggcaaatgag ttacgctaga ctttgtaatt a   471

<210>   8553
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8553

agctttaagt aaagagacaa aatgctatat agattttaaa tatgagaaat atataatcat   60

ttatatcaaa agatgcatga gagttaagaa atgattacat ttatcccttа caacaagaga   120

acttagtcac tcatgacaat aagcgacatg ggattatcca tggtggggaa gaagatggat   180

gaagaaaaca caaaaacagt acaaaagttg caaactgtta caatgatgaa agcaaaaggg   240

agggagaatc tatctatatt cacgggttag acctanaaat acataaacaa catttccatt   300

tcaagtgtaa atccactcag ccatganatt ttggcttgac catatgccag tttttattct   360

tccagaattt tgttgaccaa gttgatccgt ttgaagattc aacacatcat agttgctcgc   420

caagataaat tctccatctt ca   442

<210>   8554
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8554

```
tgtcctnctt tcatggtcta cctaatacgt tntcatgttc cactaattca gcattcaatc      60

cctccaagac cacctnccaa tcattntctg gttgctgatc caacccttca actagaacca     120

acacctttac gtcacagtac ttgcattcgt aaaccacaag aaaagtatgg tttttcgaac     180

ctttatcttt gacaacaact ttaccatata ttcctattac ttcttcatat aaataggcaa     240

tggagcataa atgttggtgg gatgctatta aaactaaaat tcttgcacta gagaaaaatc     300

agacatggga cattgttcca tgtcctccat cggttaaacc tcttggcagt aaatttgtat     360

tcactatana gctgcattca gatggatcaa catattgata caaggctaga tcggcttgtt     420

cttggaaata                                                            430


<210>      8555
<211>      309
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8555

tctgtctact gactatcaat tctaatngca agntcacatt cttgttcttt ctttgtctaa      60

catacacact tgttcaaact catgaaaagg aacacaaact ccatcacaat catccattca     120

attcaaaata aaagcataca accattttca caaatcaata aaagtgcttc actgccatgt     180

catcaaaatc aagccaaact gttccatatg cttcagaata agcaaaccaa ctacccaaaa     240

ataaaactag cagtgtatat aaacataaaa gagatactgt actanaacca taattaaaat     300

aataataaa                                                             309


<210>      8556
<211>      416
<212>      DNA
<213>      Glycine max

<400>      8556

tgagacagag ggagagagag ctgtctgaaa tctttgggct gattgaggag agagaatacc      60

gctttttggc tttaaataaa ggagtttctc tttttctatt attatattta agctatgcca     120

catgtctgca tctgagcgga gcgaagaggg cccactttct cttttgattg tgacccatac     180

tcagccactg aaagtgagaa aagtctgacc tttgaaacgc taaaatccta gctcagattg     240

catgccgttt ctctgattac aactactcgc gtatctctac gttcgtcggg gccagctttc     300
```

```
taaagttagc actatatata tcataacgct cagaattaaa ccccgagcgt ggctcatagg    360

atggtttcgt taaatatata gtcgcgcgca caatgatgat gctacactat tactta         416


<210>       8557
<211>       353
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8557

agcttccaag aatcaagatc aagattcaag actctttatt caagaatcaa gagaagactt     60

aaacaagata agtatgaaaa agtttttttca aaaattgagt agcacatgga ttttctcaa    120

aacatgttta ccaaagagtt tttactctct ggtaatccat taccagatta ttgttatcga    180

ttaccagtat gcaaaatggt tttcaaaaag ctttcaactg aatttacaac gttccaattg    240

atttcaaaaa gttgtaatcg attacaatgt tttggtaatc gattactagt gtacttgaac    300

gttgaaattc aaattcaaat gtgaagagtc acattctttn tacaaaaagc ttt           353


<210>       8558
<211>       620
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8558

cttcacttcg cattctctct actcctaccn tantcttcng tnttgatatn atttttatct     60

ttnnnnnnna aggccccacg gtgttgcttt cgtggccgct gcatatacga gacactatac    120

aaaactcang ctttaataat aatggcctcc accacactct atttccttta agatattcta    180

taacacagcc tcctaatctt tatggagagg agtaccactt cttgcagacc cgcatgctaa    240

ttctcattga cgccatcaac ttaaacattt tggaaaccat ccaaagtgga ccttatgctc    300

ccaccatggc ggctggtaat acaacaatac acaaaccttc agaagagtgt gctctagaac    360

aacgaagaat agtgccgtac gatttaaagg ctacaaacat catttcattt gctacgaatg    420

gatgaatatt ttatggtgac aaattgtaag agagataaag atatgtggga cactcttcaa    480

tctacacatt agggaacaat cgaggtccac agaactatga taaatactct aactcatgag    540

tgaattattt acgatgacca caattgacag tgtaccatat atgcccaata gatttacaca    600
```

tatctcttat cttcttgccg   620

<210>   8559
<211>   256
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8559

gcttatagtc attacttgtt gagaacctta agccatagtc tattgtttca tttatatagt   60

ggagaatatc atttgtggcc ttgagatagt agtgggcgga gtctccattt tttggccttt   120

gatataaaat gtttggtctt atgcacatca aatatcacaa actacccacc aaactcttga   180

aatttgtagc atccaccttt tatgcttcgt caaactatga taacttcatt ntgcactcca   240

ccggagttct aattgg   256

<210>   8560
<211>   481
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8560

tcgattacat agttattttt gagacaatga ctgatttatt caggagtctc tgccttaatc   60

aattaccatg tgatataatc gattacttct ctttctataa gtgtttcaga agtaaacaag   120

aacactttaa tcgattactt tgagtatcta atcaattata ttgttcttga gctgtttcta   180

gtttcttgga agaacacttt aatcgattaa aaagataatc taatcgatta ccttgtagat   240

ttaatcgatt acaagcggtt ataaatgttt tctctataaa taaccacctc gtgttctctc   300

taataacacc acattttgag cttctgaatg agctaggatc acgtgctgtt attagttcaa   360

gaaagaagag aagaanagtg cttagaaact gtgactcaca acttctatgc tntgattatg   420

aagatcttnt tgtcatacgt gagttgtgct actttcttga gttcaagaag acacctcatt   480

t   481

<210>   8561
<211>   150
<212>   DNA
<213>   Glycine max

<400>   8561

ctgatgatgc ggcaactaac attaatatcc aaggtattat ataaaatgaa tatatatata   60

tagatagata gatatttcca ctaattccta gaagtggaat gttgtacaca cctgtgggtt   120

aacctctaca ttgttctggt cactcttgac   150

<210>   8562
<211>   461
<212>   DNA
<213>   Glycine max

<400>   8562

tcttatccaa ggctcatctt ggtggtgaag ctccttcttc cttaatgtat ggcgcctcct   60

ctcacctctt ttcctttgtc ttacgctgca tctccatgga ggaaaatcac cattaaagga   120

ccccattgaa gctcaaagat ccagcctcca tagaagcccc acaagcaagt tttttgcaat   180

ctccttcaag aaaagagagt tatatttccg acatacttgg tgagtattta agaaatattg   240

taaattatcc tattgtgtaa gattaagatc attgtagtcc tacttcatag cggagatatt   300

attctagact cggtcccata attcttatct ttcatactga gggggtttgc cacgctaaaa   360

tttcttggtg ctgatctttg tctcttactc tcttaatata ttttactttc tgctcatctt   420

aatcacatat agaggagaat ttattttttgc tatctcctaa c   461

<210>   8563
<211>   341
<212>   DNA
<213>   Glycine max

<400>   8563

acatgacaat ggatgacaga tgatattaaa ttcaatcata gaagaacagg taattctata   60

tatgctaaat tagaagttat tacccatact cacaatggtt attactatac taatcacagg   120

tattcagctg attgaaaagg aaacaatcca tctatgcttg actgaaattg aaaatatgct   180

gcaagccaac agaaaaagcc tatgagattt tcctttgatg ccatacccaa taagatatgc   240

aggcaaccca caccataata agctcatcta caatgaaatg gcatatgaca aacaaatact   300

ggtggcagaa attaacagat cctaccattc attgacaagt a   341

<210> 8564
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8564

```
tccttgagaa aattccttaa gaagctntct tgagaagctn tcttgagaaa cttacttggg    60

aagcttcttt gagaagcttt cttgagaaac tagagcttag ctacacacac ccctctaata   120

actaagctca cctccttgag aagcttcctt gagaagcttc cttgagaagc tagagcttag   180

ctacacacac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc   240

tacacacccc tataatagct aagctcaccc catgccaaaa atacatgaaa atacaaaaaa   300

aaagtccgca ctacaaagac tactcanaag gccctgaaat acaaggctaa aaccctatac   360

tactagaatg gtcaaaatac aaggaatgaa gcccattcac cttgatccac caaagccttt   420

tctttctgct cccaagttct tcttgggatt ccgaccaccc catttctatt tggtttactc   480

ggccaattct tgact                                                    495
```


<210> 8565
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8565

```
actttctctt acctggatac atttattata tttttttat tggtgcaaaa tattcattta    60

aatgattttt ggcagaaaat ttggcttccg atcacttttt gttttatcaa aagaccttgt   120

ttctgatagc ttacttaaaa gtacccaaat cccatttcat ttgaaaataa tggtatctaa   180

tacctccttt gaaatattac tctctttaaa gaaaaattaa ttaagtactc tcagatatat   240

cagaatgggg agcctcatgg agtacgaaat ttnttatcaa aaaattactt aaatagtttt   300

attatgtttg gagaaaatac aatattcttg tcaccacatt agtatttaat tccagatttt   360

catga                                                               365
```


<210> 8566
<211> 357
<212> DNA
<213> Glycine max

<400>   8566

tactcaagct tgcacatata ctgtctgtta aagggtttca atatctaaca ttgtcttctt   60

tctgagtttc agatactgga aattcctcat tctgctctca gtcttgcggc tcttggccga   120

ggtatggtta ttttttcttct cttccttctc tcgctggata ggggtccctt attttttattt   180

ttaatgcgaa agtggaattt attgcttctt ttttaataac catttgtttg atgttgtttt   240

aaaaggttct atttgaatgg gtgctaattg tgtgtggatt tcgttcccac ttttattgtg   300

cttatgtttt gttagaatcc cccaaccttg cgagctattt tttaatccct tgttatg   357

<210>   8567
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8567

agcttctaag gaagtattct caagaaagct tctcaaggat gctacctagt ctataaatag   60

aagcatgtgt aacacttgtt gtaactttga tgaatgagag tcttgtgaga cacaactcaa   120

agttcaactt ctctcccttt ttcttccttc aatttcgtgc tcccccctct ctctttctct   180

ccctctttct tttcctccat tgaagcatcc tctccaagct tcttatccaa ggctcctctt   240

ggtggtgaag ctccttcttc catggcttat tccctagtgg atggcgccgc ctcttacctc   300

ttctnctttg tcttccgctg catctcgagg gtggaaaatc accattaaag gacctcattg   360

                                                                       364
aagc

<210>   8568
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8568

agaccctgtt ggacttcttc gggtccactg ggtgtcttgc atgcgcgatc cctgcaaaca   60

atagatgaaa tcagaaatca gttgagcgat gtgcatactt acctatgatg acgtgacctt   120

gccggggggg tacgggcacc ctgtangact gataaaggcc cgtaaccaga gctggaaacc   180

ccagggccct gttggacttt tccgggtcca ctgggtgtct tgtgggtgcg atccctgcaa   240

```
acaatagatg gtatcagaaa tcagttgaac tatatgcata cttacccatg tcgggacgac   300

acagaccaac tgatactttc tcanggggag attggcatcg cggtcgctgg gcagaatatt   360

gctaagtagc aatgtcatct atgtaagagt ggtcatgttg gtgcgcatga tccgcactcg   420

tc                                                                  422
```

```
<210>      8569
<211>      328
<212>      DNA
<213>      Glycine max

<400>      8569
```

```
gcttgcatgc aattcctgga ttcagatgtg atttattggt tcacttattg gatcatgcga    60

tcccttatga acttttcatc aactctaaac atcttggtga tccatttgag gcaaaactga   120

atcttcttat atgtgaaaac tctactctaa gtgtttcatc ttctcctact ctatctaaag   180

attggatatc ttgccatcat gtataaatta attgtgtaga ttttaatttt cttggtacga   240

tttatagaca tgcatatagc taatgaatgt cattcaagta acaattgcaa aggtggtgtc   300

taattagtct acctcttgat ttagttct                                      328
```

```
<210>      8570
<211>      441
<212>      DNA
<213>      Glycine max

<400>      8570
```

```
ctcaagcttg tacaataatg gaatcaagat taacttggcc gttttttttca attatgttct    60

aagaaatgag acctaatcgc ttatgccata atgctcttga gtttgtatta tcaattctac   120

gcttacaacc acgcaattaa aggattcacc ataggaagct acagtatcat gtaaatatag   180

attatcgtta accaagagtg aaccagttcc aacaatatct gaattaatag acaacatgaa   240

catattgttc tcaaatgaac acaaataacc caatttgttc aaataataaa ctgaaaccaa   300

atttcgtcta tatgacagca caacaaaagt gtctttcata tccaaataag aactactacg   360

tattaataat gtatagtgcc ctatagctgt cactttcacc gatttaccat ctccaacgta   420

cattcatctt tcagaatcaa t                                             441
```

3643

<210>   8571
<211>   334
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8571

agcttgatgt cattcaaaca cactatgtta ccttatgaaa ctaaactgcc ttgttatgta   60

ttgattcata tgcgatataa tttgtgtaac ccgttactaa ccaattaata ttatcaagta   120

ctcgtttggt taagcaagga aattagtggt ccaacaaaaa tcatttacgc gtgccgcaaa   180

catcattatg ataattgaca acacataatg acatgcatgc gtattacagt ttgagcgcga   240

caacacattg gctgacttaa gtacacattg ccgacaacac attggctgac ttgactacac   300

atttacgcgt gtctatnttt ttgtaaacaa agtt   334

<210>   8572
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8572

cgcttgcctt agcacactnt acttncatct atttcagact atattattta tacgggttgg   60

acaaaatgtt tccgaagact aatatcatat tgttgattac cttgtatatg taacaattta   120

ccttattatt gtggagtttg gcattgggtg cataaagggc tcgatgacat aaaatcactt   180

tacaaacatc ttctttctac tcatcacatc tacaacaaat agaacaatat atccctattt   240

gctgatgagt acataataca tttgacttgt ttttgccaat atacggatga gttcatcaca   300

tttttcttat tttggcatca aaatattatt atttaagata aaatatgtgt tacatgttat   360

tctatatcat tatgtgatgt gtcggtttat gatataacta tgttcttcct actcgagata   420

tactcatttt t   431

<210>   8573
<211>   469
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8573

```
agcttacagc aaatgataga atgtctatag ttttatcatt tgacaattta ttggtattat      60

atgtcttatc cttcatatat atagactctc ttttttcatc tttttcaact gtgaattttt     120

acataattca taaattttat ttgatacctt gcatagcatt gcatttagca aatacaattt     180

aacatgcttg gtttataagt attgacacaa aaaaggctta tgaaaatacc ttgtattgca     240

tgttgctagg gcttattaaa aatatcaaat aattttacat gtgtctgtga aatcagactt     300

attaatgatg cgataaatta tgtaactatc atgtctctcg ttgatgttgc taaaaaaatt     360

gtttaggaag tatanggatt aaaagtgcat tttgcaaaaa gtttaaagat cgagaacata     420

attaacccat ttaaatatta tcaatanaat aaccttaaat ttaaaatac                  469


<210>       8574
<211>       394
<212>       DNA
<213>       Glycine max

<400>       8574

gagcttgaat aattgaggaa tagctcaacc catttacgtt ctttaggata ccattctcgt      60

gttccaactt acaagactat caactgtata tgcaaacaat aattttacag attctttcac     120

gattatttaa cgaatttacg gagcagaaca gatctgtggc acatcttcaa tataaatatt     180

atcaatgcct tgtccaaacc aaaattgaga tcgatggttt agctgacaaa ttcttcttct     240

gtttaaccta tgtttctgac tacaaaatgt gtatttggtg aagacctaac tatgaagctt     300

ccaatctatg ccgactttat agatttctca atataattat tatttcatat acaagcgata     360

ttcacgtggt tgagactagc tcacaactta gaga                                 394


<210>       8575
<211>       237
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8575

atcaatatct gaaaaatgaa attgttaatt tagaaatcta agtaaatatt gattcctaat      60

tttttaaatg gtggaaagac ttggaagaca aaattgcatt aaaatagaac atgccaaaca     120

tatagtggga ctgagacaca ttagcagcgn ttcctcaact caaaaattat aagaatcaga     180

aagtaagagt atgttaagaa gtgtgtaaca tactctatac agctttgatc aaatgac        237
```

<210>   8576
<211>   511
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8576

tcggacctat aaaactaagc tgggtatctc cttcttcact acatcaagaa tcaccgggtt   60

gtgtcttctc tgtggctgtc ttactggttt agctccatct tctaaattta ttcgatgcat   120

acatgtggat gggctaatac caggaatgtc cgccagggtc cagcctatag ccttcttatg   180

cttcttgaga actgacaaca acttctcctc ttgctcatca gcaagggagg cagatataat   240

cactggaaaa ctcttgctat catccaagta accgtatttt aaatttgatg gcagaggctt   300

caattctggt gtggtcggct ggacagtggt agaaggagat ggtttctcan cctttacctc   360

ataaagaaag tcagaggtat gtgtacttcc tgaaacatgg ttagtcctat ctgactctat   420

aanatcaatc tcaagaggta aaacaccacc accaggcatg caatcaatat cactctcaga   480

ttcactctca gcatcaaagt cagacatatg a   511

<210>   8577
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8577

agctntacat tagaatttag taatgatcca ctaacctaga attaaaagaa cttaatacca   60

ttaacctagg gaattaaaat aacttaatgg ctgagtgtaa ctgaaattat ggcaaccaaa   120

agtcacccc aacagccatc aagtcagcca ccatttggtc tcccaaaagg ctgatgccta   180

ggttgccaat taggcccttta ttacaagttg aactcaacct aactaaagcc cttttagttg   240

attaaccaaa aacatatntt tggtcagcca actttaaagg attgggccat tatttataca   300

aactaaacac tctaaaattg agacaaagtg gtgacattta gtcctcctcc atttgcacca   360

tgatacaact cacaaccttg gactttctc cttgaaactt gggcttgtat tcaaatagta   420

tggacaacac   430

<210>   8578
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8578

tattaggacc tataaaactc agcttggtat tgctgcattc tactaatata tggaattgcc   60

cactgctttg cctgagaata acaattgctt gaccacaaca gcgctggagg cggcaaggga   120

caatggtctt tcaaataaac ctattgtaca cgaacaaaca ttatatcatg cgttgaccgt   180

gccaaacgaa ccagcgaagt cattgcataa ttgttatact aactatattc aatgtacctg   240

aacaaaatga tttccaaaca tgtgaccgac acatatgatg cggtggccag aagaatcang   300

tggtggttga cttctaagag ggaaaaatgt catgctttgt tgtcgggaca acgatacaac   360

gattacgtta taccgtgaag caatcacata tcccatgtcc gttatatnca tccacttgtc   420

cacactaacc tgaatgaacc aaacatacac atgtaagtaa tttaaacatt gttattaaaa   480

aaacataacc taanaacata ccttt   505

<210>   8579
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8579

ttaagtcacc tgcggctgca gcttaaaatt gaataaaacg ttcagaaact gctggtaatc   60

gattaccata tatgtgtaat cgattacaca gtgcaaattt ttaattcaaa ttntaatagc   120

ttgtgtaaat caattttggc cactggtaat tgattacatc ctctggtaat cgattaccag   180

agagtaaatt tcttgtaaaa gactttttaa cttaaatttc ttgaccaaac cttttgctac   240

ttcaattgga attcccttcc tatttaatat accttctaag actctaaaga ctgtcttgat   300

catccatctt gaatatctnt aatttctttg tcttgaataa agctttgaga cgcatgtgat   360

cctttttgcat catcaaaaca tcagcttgat cctttttgtct acacaacgac ccatgatggt   420

ta   422

<210>   8580
<211>   412

<212>   DNA
<213>   Glycine max

<400>   8580

ctataaaact cagcttgtga atcgatacac taatttggta atcaatttcc agtgattgct   60

tctgaataaa atcacaagat gtcactcttc acatagttct tgactttctc aaattggctc   120

ttaagttttt ctaaaagtca taactcttct aatggttgcc ttgaccagac atgaagagtc   180

tataaaagca aggctttgtt ttgcatttca atcatcttga acatttcata caatccttta   240

caagccttga atctctttga acttcttctt cttctttgta ccacaagctc tccaaagttt   300

tctggttttc taaaccatga aaactcgtgc tattcatctt ttcattctct tcctcctctg   360

ccaaaaagaa ttcgccaagg actaaccgct tgaattcttc ttgtgtctct ct   412

<210>   8581
<211>   290
<212>   DNA
<213>   Glycine max

<400>   8581

agcttatcac cttgaagacc atgtttcttt ctgattgtgt gaaagacgat agcaaggcat   60

cagctgctac atatattcga ccgagaagga agaacagagc acccacatcc ctcaatgact   120

ttgtctgagc aagattgctg agctggataa cctgttctgc tgagctggac atctaaggat   180

ctgagccttg atcctgtctg ccattactac gaatattctg tcatttcttg taagactcga   240

catcatagaa atacaaattt tgttattgta atccattata aataccatct   290

<210>   8582
<211>   277
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8582

tcttctttcc actctttтca ttttcaaatt tcaaaacatt tccagttcaa attccaaatc   60

gcagtctaca gttcggctat gttgcaggct atgcccattc tataatctga tatgattgat   120

tcacgttgac gaattattgt gattgagaga gcctatgaaa cattatgcaa tattgtcagt   180

aggtttcgat ttcacttcat ttctagaatc catttttttg cataaatcat aagctnttga   240

3648

```
tttcacctca ttttctaaat tcaagtggat atactat                              277
```

```
ggtatcctat gtntganatt aaataaactt aagttaatcc attatattct aagttactaa    60

tctttatcta cccaattata ccatagtaac ttaacttcat ttcaaaatgt tatcaactaa   120

ccttacccga aacctcattt gaaacgagcc ttccccggaa tttatggacc tcacagttag   180

ggatctcttt atccctgtga gtagatgttg gaacagggac ctaacttaac ttcatttcaa   240

tatgttgtta actaacctta cccgaagacc ttttggatgc tatgttggat aggccggtta   300

ttgaagagat tctaatagtc cctatattac tacatgatag tgaggataat acgatatgta   360

cgtggagtaa agatggtgtt ttctctgctc gatctgccta tcacggcgct aggaatatgg   420
```

```
agattgatgc atcagtcccg ggactcttag agtcgcctgg agccttccaa cctcttaggt    60

agcttctggg tcacggtcct gttatactca tcatcttggc taacacaacc ttaaggcctc   120

tgaactgtga actccaataa tctttaggtg ccaatatgga tttttcaaga gatggtctta   180

tctgaaactt gagaagtgtc atgccttgca ccaaaccaag ggtgttcgga gatatccata   240

tattaccttg catcatctac atattattcc acattgtaaa atcagaggta cgaaaacaat   300

catacaatga tgaattaaaa atattccata gggtcatttg tgacaaatag cagattgcaa   360

gttccaaaag aaatttggtt ggggcaaaca cttaacattt tgtagagcta tcaccactaa   420

cccaaaatga tgaccttcta tggtccttat ccaacattga agaaaataga tttttctagc   480

tagtatggag g                                                        491
```

<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   8585

cgcagtaagt atgaaaagca atattcattg ttgagggatt aagtgcgctg ctcaatagcc   60

tctttaacta tgcactaaaa tttttgtgtc cggtctccca tgtcacatca tataattaat   120

gtctttacca gggacatata taaacaata tagacaacca aattaaaaaa tcaaaattaa   180

aaaaatatca acaaaaggt gctaactatt gtaagaaatc tttcaatttc cctacgtttc   240

tagattttaa acaccaatta taatatcaat gaccaaatca aataagaaa ttcacaaacc   300

tcattaagca aagtcttgag agagcagtca aatgtgcttt tgtaggatga atcccccatc   360

atcctggatt tcacctggag aattatgagc atggatataa cgcaaccctt gatcatacaa   420

gtagaatgtg cttattcata cgaatntcac caatattgtt aggaaacttc aatagttct   479

<210>   8586
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8586

tgctccttaa acctncatta atttttgct ttaccttctc ttccattgtt gtttcttcaa   60

tttatctcct tgtatctcct cacatgtctt gtgctaaatg ttgttaacac gattctttag   120

agtttccact gattaaactt gctataaaag ctagatttga ttttctatgg ttcaaaattc   180

ttgttcttgt tcttgaacca cgaattgtgt tgagtttagg ttcctttgag ttttgtcttg   240

ttatttttg tggctgaaac ctaaaccata aaattcttac aaaaatatta aagtagaaga   300

aaacctcaaa aatctagagt gacttgttca cctattgtag ttntgtcata gaagtcatgt   360

ctagtcat   368

<210>   8587
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8587

gttcttaaaa aaaagaataa taagggtaga aactaaatag gtgccataag tgcagttaga   60

acaataaatt gaggctgaaa aaaaataagc ctagacagaa taagtggaag cttttctagg   120

ataaatgctc tcttataacc ctaatttttg aaataccatt aaaaccataa tttctttaat   180

tagccaagcc aaattacagg ccaataaaat tccttagtga tccaccaaat gtaagcatga   240

taactttaac tgagatgagg tgcaaaattg ggaacattaa ttgtaggttg tagaaactat   300

caacactcat ccaagacact tgtgcacaga gagaaacact anagccttgt gaggaaaaag   360

tgaggcaagc cgaccttgat gatttctgct actgaccaat tctatctcaa tggttgttta   420

tgcttccatt gcaagatcat ggcaaataca agaagc   456

<210>   8588
<211>   347
<212>   DNA
<213>   Glycine max

<400>   8588

gctaacaaca cttaatgttc aatgccccctt cgttactatg tgttcaacta agcaatgcat   60

taaagacatg ttaatttaat tgaataataa atgcgagtct ttattacgag gtgtgactaa   120

ttcatctaat ataataaatg ggcggattat tcacggagta gttgaagact tgatttattc   180

tagactatta cttttttgctg aacaactgac ctcaataact taagagggggg tgaattaatt   240

aaattttaaa attttcccgc taacaaattc taaccccctt ttaaatgata catgattgac   300

tcagaatgca gaagaagaag aagaaacaat caatttaata atcgtct   347

<210>   8589
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8589

tgatgatgac aacttatgag tttttaaaca cacacacaca cacacacaca ctttttgcta   60

gtcgatcact cacataaatt tccattctcc ccctttgtgt ttgaatttat gcttctctta   120

aaattaagtt gattactcat gtgagttctt gatttaatcc atatttctct cccccctttgg   180

catcaacaaa aagccacagt gcgttacaag tataatacaa acatatacta ttaatcgttc   240

acaaggcata cattgaagaa tataaaccca tcatgaagca agaaacctcc ttagatcaga   300

tatatagaac aatcacatag tcatgtagca tagatcataa ttggtcagtc atactaagca 360

catattataa agaaataata agtgctcana tgtcat 396

<210> 8590
<211> 255
<212> DNA
<213> Glycine max

<400> 8590

acctttctca tttatcatat cccatgtgtt caggaagctc atgcaatcat ttcaataaca 60

aatcttaacc tttctgaagc atttgtgtac aagaaccata acatgagtta ttgctgttgg 120

taggatgtgg aggttccaaa tgtttcctga gatgatattg gaggcttata gaatgtcaag 180

agggagcttt atgaggggca cacttgcttt tgatattcca tacctttaat atgttgcaca 240

tgtacatttt aatta 255

<210> 8591
<211> 317
<212> DNA
<213> Glycine max

<400> 8591

gagtgtcgct gtcagcgaca attgtatatt gaacaccata tctgcgtatg agatgtttcc 60

aggtgaactt ttctacctcg ctggctgaaa tttctcacaa tggccttgcc tcgatcaact 120

tattgaaata atctatggca accaataaga atttgaccta tcctgtgact tttggcaatg 180

gttctattat gtccatccct cacatggcac aaggccaaag ggagcttacg atatggaggt 240

tgtcatggcg tatgcatgga acatctgcac attctatgca tcatatgcac cttcttgtga 300

agtcaatggt gacgacc 317

<210> 8592
<211> 256
<212> DNA
<213> Glycine max

<400> 8592

tataaaatca tttgatttta acatcaagca ccccttgaca atctgaatct tgagttgaat 60

cgctggagag tatgatcaca gagggattgc tcttgtccat gtttaatcat gggatcattt 120

atcctggtga ggcagaagac ggacaaaatc acaaggttgg ggtcatatga tccagtttgg   180

gcaaaacccc tttttctcct tcaaacaatt tcctttccat atgtgactat gtgacttctc   240

taacctaatc tccatc   256

<210>   8593
<211>   188
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8593

tctctctcta ttccctatan atagggcgag gagggaatat cttctctgtt ctaccctcct   60

ggtctctgcg aataacttat aattactgag atacattgtt tccatgaata acatacacgc   120

cgaggcgctt ccgttatgcg tccgagacgc tcccgcgggt gattccgcga ggattatcca   180

ccgttctt   188

<210>   8594
<211>   315
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8594

cgctgagttc tttgttagta ccgaaactct aggaggaggc caagaaacta ctgtgtaaga   60

atttcttttt ttccttgtta gtgttcttga tttgtgaatc tcacttaaat tttgagctta   120

atatgtggca tgcattgtga atcacatttt taatctttat cagctaagtt gagttgttta   180

tgtatgttgt agggcctttc aaggagaaac gaagcaatga gcttaaattc taatagctca   240

gaatcacata taattntcac atttgtcatt gagtctttgt gtaaggtact ggtcaaattt   300

gtaattctac ctaac   315

<210>   8595
<211>   449
<212>   DNA
<213>   Glycine max

<400>   8595

ctaatgtgtt ctcccttgta gaactactaa ctgcagtaac agttgcagcc caactatcca   60

gtagtgatga caatagaatc aatgccttca cctcatcctc aaatttaatc tgcacagatt 120

ccaattgggc aagaatagta ttaaactcat taatatgatc agttacagag ataccttctc 180

ccatcttgag gttgaacaac cggcgcatca agtatacttt gttggctgct gacggcttct 240

cgtacatatc tgataatgcc ttcattaagc ctgcagtagt cttctcgttc acgatgttga 300

acgcgacgtt cttggctaat gtcaatctga tcacgccaag agcctgtcga tctagcaagt 360

tccattcttc ttgcttcatg tcttctggct taacccctga taagggctga tacagctttt 420

tctgatatag ataatcctct atctgcatc 449

<210>   8596
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8596

cattatgatg catcgatctc gaccgggatc cttaagtcac ctgcggcatg caagcttgca   60

accaaatgct caccactatt atatgataaa ccttcagatt ctttcatata aacctcctcc 120

tctaaatcac cattaagaaa agttgntctc acatccattt gttgcaactc aatgtcaaaa 180

tgagcaacta attccaagat tatatgaaga gaatctttct tagatactgg agaaaaagtc 240

tctttgtaat ctattccttc cgtttgagta aatcccttag caacaagtct tgtcttgtat 300

ctctcaatgt tgcctaatga atctcttttg gtcttaaaga cccatttaca tccaatggcc 360

ttngccccat tangcaactc tacaaggttc caaactttgt tactctgcat ggaattcatc 420

ccatccttca tggcatcata ccataaattt gactctttac aacttatggc ttgatcaaaa 480

gttcaggatc attttcagct caatatatag tcagttcttg caaaa 525

<210>   8597
<211>   466
<212>   DNA
<213>   Glycine max

<400>   8597

ttgatctcaa atcttgaatt gtataataat tatatatatg tgtttatacg atccttctta   60

tatacgcgtt aattgtcatt acaaaccatt gcattggttt caattgcaaa actcacgtga 120

```
attgccaaac ctcaaattga tttttttttt cgtatgaata attcttatgg cctagatttt    180

ctaattttgg cattcatagc aacatcacac ccttgtgtgc tttggttata ataattaaca    240

atatgtgtgt gtgagtgtca catagatata tgagttggtt ttcaaatgtt ctaatagtct    300

aaacgaattt gcaacgcgaa aaaggttaat acattacagg cttcccttga aggtgcaata    360

tatatgttta atacgttaat cattgtgcat attaaatcgg ctgaccatat taagcattgc    420

gcatattaca tcgggaacgg attgcagcag taaatatatt gatatg              466


<210>      8598
<211>      306
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8598

gcttcgatat caatttcgag cgtctcgata tattaccgga ctcagnccaa caaccgagtg     60

aaaagttatt ggtcgttgaa tttgctgaga gggtccataa tcaatttcga gcgtctcgat    120

atattacggg actcaatcag acattccagt aaaaaagtat tgtcggttgg atttgctcaa    180

aaattccata attaatttcc agcgtcttga ttaattacgg cactcagtca gaccatccga    240

gtaataagtt atcttccgtt caatttgctc aaagcttcgg tcttcaattt cgagcgtctc    300

gacata                                                         306


<210>      8599
<211>      337
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8599

ctgagcanat tcaaacgaca gatcactgtt tactcggatg tcttattgag tnccgcaata     60

tgtcgagacg ctcgaaattg aagaccgaag ctctgagcat attcgaacga cacataactt    120

tttactctga tgtctgactg agtcccgtaa tatatcaaga agctcgaaat tgattatcga    180

agctctgagc aaactcaaac gacaataact ttntacttgg atgtctgatt gagtcccgta    240

atatatcgag atgctcgaaa tggaataccg aagctctgag caaattcaaa cgacaataac    300

tttttactcc gatgttcgat tgagtatcgc aatatat                       337
```

```
<210>      8600
<211>      335
<212>      DNA
<213>      Glycine max

<400>      8600

gaagcttttaa cctcattgtc tctcacagcc tttagatttg ggagccaatc caatccttgt    60

gtccggactc tcagccactt atgatagccg ccgatgatcc cattactgct tcccctaagc   120

tctctgtcct ttcttcacgc cgcatcccat gccttgcgaa ctccttggag taccctcgcg   180

ttgtggtcac tgaaaccccg ttcgatgaaa gggcgtgatg ctttcgtctg atggcactcc   240

tctcatgggg tagccaagct gtcttatggc gaggacggga ttataattaa tacaacccct   300

tgttccatca agggaacatt tggacatcct tcgca                              335


<210>      8601
<211>      378
<212>      DNA
<213>      Glycine max

<400>      8601

agcgttagga tcggaagagt gactatgata atctattatg gccaacggaa aaatgagggg    60

ttgattgtca atgcaatttg ggggtagctc tgctggcttc gacgtcattg gcaaaccgcg   120

gaatggtttg agtgtggaac aatggaaaat atggtgaatt cgtgctcctt ttggtacttg   180

caagcggtac gccatgggac ctattctctc tatgatctga aatggcccgt aatacctctt   240

tgctaatttg cccatactag ccggagttcc ttttgtcgat gtttctcggt atggtcggag   300

cttgactata acccagtcac cacattcata attgaccttg tgccgcttct tatcagcata   360

tgtcttcata catgcttg                                                378


<210>      8602
<211>      395
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8602

agctngataa cacgcagaga ctaacgtcgt cttttgcggc cttcgncaat cgcggccgac    60

aagccccgtg acacgcagag atttatgtca ttttccgcgc ttacaagatc tgtcatactg   120
```

agttttgagt cacgctgacg ggcggaaata cccgagtggt tatccgtata aacttcttgg   180

tgtctgtaag acgaaaagcc tggtagcacg caaagactaa cgtcgtcttc tgcgctcttc   240

gtcaatcgcg gccgacaagc ccgtngacac gcggagattt acgtcatctt ccgtgctcac   300

aagatctgtc atactgactt tngagtcacg ctgaccggcg gaaataccca aatggttatc   360

cgtataaact tttgcattct gtagacgaaa agctt   395

<210>   8603
<211>   546
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8603

ccgtgtgcct gttcactgca ttacggacct ttaaactaag cgtgtcgcgt gttgacaacg   60

gccatatgta cattgtgtct ctgcgagcta acatcgcggt gacgagctta ctagacaagc   120

tataaactct catacctgat gaaccacatc gtgttatatg tcgacagatg aggcgtgact   180

caatatgtaa actctgacgg tatcgttgcg gagcgcagga gatatcgcac gtacctatct   240

ctgcatgtng accaggcctt gtgcatcagn gagtgcacta aggcgcgcag aacgacttta   300

gtacatacgt gctaaaacgc ttgttaagcc acccacagtc ttaagtttat acgggtaacc   360

acccaggtat ttgcctcctg ccccgtgaca ccacaactca atctcacaga tctagcgagc   420

gccgaagatg acgtttatat tctccgtggc atcagccttg ttggccgcac atgacgattg   480

gtctgaatac gacatcttct actggctcta tcaagatctg agactacggc aacaactatt   540

taaccg   546

<210>   8604
<211>   362
<212>   DNA
<213>   Glycine max

<400>   8604

gctttgtatg ccctctccca cttgcggtga tttcttcttc ggcaaaggcg agatagttgt   60

tggcagtgat attattgacc agcccttcga aaccttctac cgagatgtct tgggccacat   120

gggcctcgtt caaaaccttc actattagag cccgatgagg ctcggagctc atgagtaact   180

```
ccaacagcga gaccctggcc ggggttttgt tgtgctgttc gataaccttg aattcgctct   240

gctgaattat acggaggaac tcactggctt cctctagtga cacctccttt ttaccatcct   300

ttttctccgg aagacctttc gcctgaatat ctttattcga agagagggt gcttcgtcat   360

ct                                                                  362


<210>     8605
<211>     322
<212>     DNA
<213>     Glycine max

<400>     8605

acaccaacac attggcgcgg ttataattga tatatcaatg cgtatataca acttattatt    60

cttgagagta tacagcacaa gatcccagaa aaaataatac tctggagcag tgacagcaga   120

aagaaaagga ctaccgcaga atatttatga tgacctagaa gatgttctcg agcgtctggg   180

aattggtatc atcactataa cccgcaattc gtttgaatta ccagtaaatt gaaaaatgac   240

ttgtattaca tttcacattt gtagtgtgtc ctataaagat aagacattaa attgccaagg   300

cagacacata agaaaaaaga ct                                            322


<210>     8606
<211>     391
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8606

tgtgagactc actaagggca gaccttaggt tatgcgagcc tctttagaat ctactaggan    60

natttctgtc ttgcgtttta gagagactca ccaacggcgg accttgagtt tgatgagcct   120

atgagactca gcaagggtgg acctttggtt ttatgagcct ttggagattc gaccagcgac   180

gtgtccgacc tggattntgg tgagattcac caagggcaga tgttagtcgt cttatacgac   240

taacgttttg tataaaanna ctttacaaaa tgtatataaa tccccaatta tagttctttg   300

gtggattgta ataaatttgc ttgtttgact atgtcattaa agcctcctat atggataatg   360

taaatttctt aattcagcaa aatgacaatt g                                  391


<210>     8607
<211>     126
```

3658

<212>   DNA
<213>   Glycine max

<400>   8607

tacagttgga gagcaagttc aacactctta tgttttcctt gccatcagat acataagaaa   60

acgcttctat tctattctcg aggctttctg ctcacatcac caagcacaga tctgaagcaa   120

acaaga   126

<210>   8608
<211>   460
<212>   DNA
<213>   Glycine max

<400>   8608

agcgttagat aaatgaaact attaaagata taatttatga tgttctcaac ggataaaaaa   60

aatgatataa tgaaggtgat gttttgcttt atcaaacctg agtgatcctg agcttgagta   120

agtataccac ccaaaaacac aacgaagaaa gtcatcggca ttctgtaaga tgacagatat   180

actagcacca tgtgctgact ctgacctgaa acggaaacgt attggctgac aaatcggatc   240

attgaaatta tatatgatta cttggaccat ccgaatcaat atcacactca gtaaattaat   300

cactgtcaaa acagtgcaat gatatcaggt cgacttgtca ttatatgtta ataggagaaa   360

tatacttttt acaaacataa aggacaaaac attatctttt gtcaattctg gatccaaata   420

tcacgatgta caaatttaat gactaaattt ggtatatatc   460

<210>   8609
<211>   505
<212>   DNA
<213>   Glycine max

<400>   8609

atgaatctgg atttcattgt gccaaagact caacaatatg ataagcatgc tctaaacaat   60

ctggatcctt ttctgcatct atggcttcac aaattccata ataaggtcc tcccctgca   120

agagagtcaa aaaatgagt tattatagag ataaagtca gatcttggcc atcatatttt   180

agtttattat attagttgga tatcttattc tctgctcttg tacttcatca ttttataccg   240

ccaataatat ttattggtat aaaaaacaat tgagtaaatt gcagtatgta cacctcaatt   300

tatgcaaaag aagaaagata cactgctatt ttcaaatact gcagccacat ttgagagcta   360

```
aatgcttctg taaatattct ctgcagttct ctcaagatat taaaagagac aattgttttt    420

ccagaataag ctaatccaaa cacgctcata agatgtaatt aacattagaa gaattcacat    480

tcttcagaca tatgactgta tattc                                          505


<210>      8610
<211>      436
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8610

agctntctac aaagggtttt gaagctaacc tttgattcca tgtgatcatt atatgtaagc     60

acatatgttg tctttatgtc aatatagaca tcgtacgtca gtgtgcatgc atgctaccta    120

gccctagcct tctcgaacct aaaatacaag aagcacgtta acgaagaatc catttaacag    180

ttactatata aatttctcca agtaaaaagt acatttgtat aaaatttata aaattctact    240

attaacttat ctgttagtca gtgtttatgc taccattttt ccaaccacac acttgacaca    300

agccaaatta ttttccttca tttccgacaa ttttatttt attttgttaa actcttcacc    360

ttaatgagaa tatactggat tgacatttga aataaaattg aatgcaaatc aattatctta    420

ttatagccac accaat                                                    436


<210>      8611
<211>      482
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8611

ngagcttaaa tctaaactca gttattcaaa tgagataagc tcatgctgta tatgtttgat     60

aaaagctcac aaacaacttg tgtttgtgta tgtgtatatt ctatacaaaa gattgtcatt    120

ttaaatgaga aaatgtatgt atactaataa taataattta tttattgtta ttacttagta    180

aattgttatc ttattgattt attactgtct actatttacg taacgctact tttcaaagag    240

tttctttact ctcttcaact tctagcataa agatatgtac tcaactaaat gctaaattaa    300

taaacataga aagaatacat tggagaaaat ttgaggtacg aaaagaaaat tattgttaga    360

atttagaata tgttgaatag taactgtcat gttgaatgtt ntatgactga aagttagcag    420
```

3660

ttacatatta ttaaatatgc gtaatacggg aatagaggga tatgtgtgta tcggtttcta 480

gt   482

<210>   8612
<211>   424
<212>   DNA
<213>   Glycine max

<400>   8612

agcttatgac aattgaaatt ctcgagagct tccgaatacg tgtgaaaagt tatgaccatt   60

tgaaattttt gagagattcc gttgttcaat tttgagcgtc tcgatatatt atgcgcctga 120

atttgacttg cctgtgaaag gttatgacca tttgaatttc tcaagagctt ccgttattca 180

atttcgagct tctctatatg tgatgtgcct aaatcagaca tacgggttaa aagttatgac 240

catttgaatt tctcaaaagc ttcggtagtt caatttcgag catctcgatg tattatgcgc 300

ctgtatctga catccgtgta aaaagttatg accattttag tttatcggga gcttccgctt 360

ttcaatattg agcgtctcta tatgtgatgc gcctgaatcg gacatccgag ttaaatgtta 420

ttac   424

<210>   8613
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8613

gtgagacagt gtggaagagt cagtcttcct actnttattt gttgaccata tagtggtacc   60

tggagatatg tcgcgggagt caggagacct tgtggacgtc acgtggggtg ctattgccca 120

aaaccaagct tgatcaatcc tgacccaacc cgggcatagt cagtcagtga gaacctgtga 180

cgtacctaaa caggcgagct cctggtagtc aaccaataaa agaacaaaga ccacaaagca 240

aggaggcttg tgtggtggct ggccagctat ggatcttgag tgatatctag aatatggcct 300

ctggtaatcg attaccaaag gtgtgtaatc gattacaagg cttataaatg aagacagaaa 360

gttaatatgg cctctggtaa tcgattacca agggtgtgta atcgattaca aggcttanaa 420

atggatacag gaagttgaga tggcctctag   450

<210> 8614
<211> 321
<212> DNA
<213> Glycine max

<400> 8614

tatatcaatg gggcatttca ccgagcactt gatgggcgca tgtttggaca taaattgcaa   60

gagaatgggg gcaatgtggc atgccccatt gcttcaaaat acaacatacg cctaacgcct   120

tctcattcaa atcctcaact caaaaaaatc aagcataaaa acaacccaaa actgccccac   180

aaatataatc acattctcat aatttggagc accaaaagat gaagaaaata taccaatggg   240

aagctaaaaa catcaaggat tgaatactta cttgttggag tgaatagaaa cacccaaaac   300

gaaagcaaac acgatcaaag t   321

<210> 8615
<211> 400
<212> DNA
<213> Glycine max

<400> 8615

ttcattcttt gtgttatgag cctacatcag acaattggat tattgatgtt tctgtcacaa   60

tcaagtgatt gttgacatct ccatatgtgt gtacaatgtg attatgtttt cgtttctagg   120

attcatttgg aatatttgtt gttgattatg ataagtgac caattctttt gatttaaaat   180

tttcgtctcc taatcaatcg aatattcatc ttgtacaatg tgattatggg ttgattaaaa   240

ttttcatctc ctaagtagct tgaatcactc actgagacac tcagtaagtt gctagcatag   300

ttacaagcgg ctcaaccctc tcattcagct gttatgcaag ttggaggcta tagtatatgt   360

cgagggagct catgaatctg gctgtggata ccccaagatg   400

<210> 8616
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8616

tcanaccaca gcatcacana atctaggtat ccaaaaccgc tcaatttagt ggattntcaa   60

ggtttgaaaa gtgaaattga gaataggggt aaattgaagc anactctcac ctcacacaag   120

tctataacat caatttaaac ttgttcaaac tggatttaca cctaanattt caccgaatca   180

aaatttgact cctcaacacc caattntacc ctagaaatgg ctcttgcctt cactttggtc   240

atttgttttt ctctcttgca cagcccaagc tntctcnata agtctaaatg acatttcgaa   300

ctaggagtaa ctcattttaa cctctattta ccactgaatc cagaattagc cttgcaactc   360

tcanagcctc actctttttt tcactcatac accacattct cac   403

<210>   8617
<211>   433
<212>   DNA
<213>   Glycine max

<400>   8617

agcttgagct cactggtgct accccttaaa gctccacgaa atttgtcatg gccatgctct   60

ttcttgcgag ccctcttggt ttcttgttca agggctctag cagtagctgc attttcttct   120

cgtaacccgg cacactcttt ccggacgttt gtagcgacca acttgaattt ttctttggca   180

agtcttgctt ttcctagatc tgtttttaga gctcggactt cttcatcctc ttccggagct   240

tcaaagttct cttcgttgat aatctttaac ttggaaagcc aatctaaccc tcgtgtacga   300

actttcagcc attcatgata accaccgatg atgccattac gaatgcacct aagttcttta   360

tctttcctta acgggctttc ccacgcctta tggactcttt gtataacctt gaaactttgt   420

acgccgaaat ctc   433

<210>   8618
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8618

tcactcctac atctcatctc tagcatgcat tttctttctt tacccactcc tcacgtttgg   60

ttntttaggg aaaaacacca taactaaacg cgccgcaagg gatccctatc gcaccagatc   120

caaatctaga acgatgggtg atcaagagga gacgcaggaa cagatgaaag ctgacatgtc   180

ggctctgaaa gaacaaatgg cctccatgat ggaggccatg ttatgtatga agcagctcat   240

ggagaagaac gcggccactg ccgccgctgt cagttcggct gccgaagcag acccaactct   300

cttggcaact acgcaccatc ctccttcaaa catagtagga cggngaaggg acacactgng   360

gcacgatggc agccctcacc tgtgatacaa ccgagcggct acccttatgg nattgcgcca   420

actattacca cccat   435

<210>   8619
<211>   442
<212>   DNA
<213> . Glycine max

<223>   unsure at all n locations
<400>   8619

agcttcccag atccgatcat ggaaggactt agttactgcc ttcattaggc agnaccagta   60

caatacagat atggctcctg atcggaatca gcttcagagt atgactaagc gagagcatga   120

gtccattaag gaatatgccc aaagatggag agatctcgca gcccaagtcg taccgcccat   180

gacggagagg gagatgatca caattatggt agatacgtta cccacgttct actatgaaaa   240

gctgataggc tacatgccat ctaactttgc ggatctcgtc ttcgccggag aaaggattga   300

atccggacta cgaaaaggca agttcgaata tgcttccaat gtggccccca acaacaacag   360

aagagcccca gtagtgggca cgaggaaaaa ggaaggagac gcccacgcag tcaccaccgc   420

cccgacgtgg atgaaagcac cc   442

<210>   8620
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8620

tgtttcgaaa ccacccattg gttctgatag gcttgtgaga ggcatgttta gggactaaat   60

cccacacttc attccttta aaatgaatta attcatcgtg catagccaac aaccaatgct   120

catcatgaaa tgcttcatat atggttctag gttcaatctg agaaacaaaa gttgtgttca   180

agatccttaa ccttggtttc atcttcaagt gcagcttgcg tatcctaaaa acctgcttct   240

tcatttttcca aagcattttc ttgaacaaaa gagccagttt cctcacgaat aatatttta   300

ggttcttcca cacacaaagt tctcctatta agcactctat aagccttgcg ttgtaatgaa   360

taaccaagaa agattgctca tcagttttgc atcanattan aaagagatcc ttttcattat   420

taaatcaaca tttacatcaa accctaaatg gatatattgg ttcttcat   468

<210>   8621
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8621

agcttcattc cttttttcact catgtgtcca agtctttgat gccacatggt tgaattattg   60

acagcctcag taactcctac catatcctca tctgcaatca tgtaaagaga tcctcgcttc   120

tttccacgag ccacaatgag attgcctttt gttaccttcc aagctccatc tccataagtg   180

gtgtgatgcc cttcattatc caactgccct atggatatta agtttctctt taaggtagga   240

atatgtctga cattgtgcaa tgtccatagg gatccaccag aggtctttat gtcaatatca   300

cctcttccga taatgtccag agattntcca tctgcaaggt aaactttccc aaatcttcca   360

aaatatagtt agacaataaa tctttagaag gagttgtgtg gaacgacgca cctgagtcca   420

tgatccatga atcaacagga cta   443

<210>   8622
<211>   473
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8622

tctatagaag gttcgttcct aatatctcta caattgcatc acctctcaat gagctggtga   60

agaagaatgt ggcatttacc tgcggtgaaa aacaagagca agcctttgct ctgctcaaag   120

acaagcttac taatgcacct gttctagctc ttcctgactg ttctaaaact tttgagctag   180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccttattg   240

cttattttag tgaaaaactt catagtgcca ccctcaacta ccccacctat cataaagagc   300

tgtatgcctt aataagagcc ctgcaaactt gggaacatta ccttgtttcc aaggaattng   360

tcattcatag tgatcatcaa tcacttaagt acattagagg gcaaagcaag ttaaacaaga   420

ggcatgcaaa atgggtagag tacctagagc aatttccata tgttatcaaa tac   473

<210>   8623

<211>   191
<212>   DNA
<213>   Glycine max

<400>   8623

agatgaggaa gtgttgaacg gtgaaacttt ctgcttttat tgttgaccac acactggtac   60

ctggagatat gtgacggggg ttacgacacc ttatggacgc ccagtggtgt gctattgccc   120

aaaaccaaac ttgaccaatt cccacccaac ccgggcatat tcggacaacg agaacctgtg   180

                                                                    191
atgtacctaa g

<210>   8624
<211>   206
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8624

gctgaaccat nttatcaata aacacaagtt gagttttatt cagaaaagta gagtatatct   60

cntttatctt agtgagagtg attctcctaa attctcgagt gattcaagaa caccctggct   120

gtatcaaagg actttcacaa cctttgtgtg ttgccctcgc tggaaagagt gattcttttc   180

                                                                    206
ttcctatcat cttcaacctt ggtctt

<210>   8625
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8625

agcttgtaca aatagattcg tgcataatat tcttcatcct gtatggtcca tatatatcct   60

ctcatcgctg tatctagcat tatattagcc gccactcctt cttgggtgag cccgaaagca   120

atttttcatc tgagagtgaa tcctgatgca tgggcctggt cttgggatca ttgatcagtt   180

aattaattct acgaccgaga aaacattntc taatttcttc aaggtcaata tgacgtagat   240

tccttgcacg atcctctata acattatttt ctctgctctt ctccaaagat ttcttcttta   300

ggcgttgatc ttgctggtac ttccttagag gttcacctcc aattatatat gtactgccca   360

tcattntagc atgagcagat gcctcatgag gggccatctg ctcttccatg tactatcttt   420

gagtttcacc tccaatcaca gctttt

<210>   8626
<211>   487
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8626

tcatctgcac tcatggatcc caaccaggta actcaacatt tctgcataat tcttagatct   60

ggtttaatct agtttgtttc gttcaatttg gtgcgtcgat ttgatttttg ttccttgggg   120

aaaaatctaa tcacacgctt aatttcctct ggtgattcag taatgccatt tattttctgc   180

tcgatttttc aatttttgcg ctggatagga tttaattaaa tgattgatcg tgctattgaa   240

tgttgattcc tttcagattt aggtgattaa ttagattctc ttgtgtgtgt ggtgcagccc   300

gtgggtgaaa actacgccaa tcccaggact tgcttctttc atgtcctctt caaggtttct   360

tttacccaat taattgtgct ctttatcatg tctatttatg caagccattt tcactttatt   420

aaggcatanc tctttctttg tatcctctct caagctgcag ccttggcatt tacattctct   480

cggcctc   487

<210>   8627
<211>   398
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8627

agcttgtgct tgttntatnt aaattcctag gatcatgagc aactaggtgt gtcctactat   60

tacttgagaa acaaaggtga tcaaataaca agaagagatt ttaaaaggta ctaggttgcc   120

tcctagtagc gcttctttaa cgtcttgagc tggacgcttg atggcttgtc ggtcactgac   180

ccagtacttt gcttaccttt ggctctggac ttggtcgcct attgctcggc catgggtcgt   240

aagcaacgct ctaacctttt tgtggatgag ctgaggtgaa ctctaaaggt gatagcggtg   300

cgtctgttgc ccgctgctgg ccatccccag gctactaggg tgtttcgccc tgcgcctgcc   360

tggagacgca gtacttcttg atgaaagctc gattagta   398

<210>   8628

<211>   314
<212>   DNA
<213>   Glycine max

<400>   8628

atactcagct tatgatgatg aatcaagtgg attctagacc atttaataat gactaagatg   60

ttgactaaaa gcccaaagaa tgatttcaag attaaatcat gaacaaattc aagaatctag   120

agaagtctga tttctagatt cacgaaaaga tgaattcaag ttccgaaaga caaatcgag   180

aagacttcac aagggaagga tggtaaaata atatcactat aatgaacata gctcagtttt   240

gtctttcaga agagatttca caaaagtttc taaattacca gagtgtttac tctctggtaa   300

tcgattacga gtgg   314

<210>   8629
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8629

gcttatgcgc atatttcctt acgaacgttc tcttgcacat tacattctat taactaagaa   60

aaatgcaccc atatacaatc aagacagctt cgttacctag attatttaca cgtacttcca   120

aggtgtattt gttacttaca tcacacacat ctccttggct aaatttacat acatgcatac   180

tcaaagcatt ttggggtacc aaaaattgca catgtgcaca tcttggtatt tctaatacct   240

atacatacac aaacttcatg atgaatcttg actatctaca caataaggtg ctacatttca   300

tgctcttttc aagtttttgc tacctaaagc cgcatgcaaa ttcaagcata ttttcctttg   360

ctgactaaaa ttgtattcaa attaaagggt atacattntt ttgtaatgta ttttctttac   420

ataacatgca acatatttat gtatattttt tgtgagaca   459

<210>   8630
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8630

ctctctattt ctctcaatcg ctcttcattc ttctgtatct ttccacttct attctaccat   60

tgtattgcac aaatataatg gattctccat tgacgatgat catgtagggc taaaaaatta 120

atcgatctaa ggatccactc caagcaaagc tgaatttgag tccttgctgg gttttctact 180

ctctgtgaat gttattcttt ctcttcaatc ctatatctgt tttacatgag tgcgattatg 240

tctaggattg aaaatggatt aagctatgga ttcgatttct aatgtcaaaa gttaatcaca 300

tattgnttgg atgatngccc actctcatnt gcgatttcca acaatttaga gattagattc 360

gattgaactg tctctaatgc atatgagtga actttcaca 399

<210>   8631
<211>   458
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8631

agctntgtac attgtattat ttgaaactaa tagtcaagta tgtgccattt aaacatcaca 60

ttatcatgtt tgttctcttt tcgagatatt tcaatcattg actgtgttga ctatagatta 120

atatgggtgt ggttgtgact gttatttata gttgctaggt cctgttgtgg tctttcttct 180

tcaagagtct atgaataatt tgccaacttc agtggcggaa attactcctg cattgcttct 240

taaagatgct gcttatggtg ctactgctta tgtttattac gaactctcaa actacttgag 300

ttttaaagac tggtaagttc atagctacta tgctttattg acgtaagtta tccatatttc 360

gatcttgcca ttcctaaaaa ttgaagatca gttaattttg ttgtgtctgg actctggtaa 420

ccctaataaa tcacagccac ccactggtaa tggaactc 458

<210>   8632
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8632

tgctctcgtt gtagcggtgg cggcaacgga ctaagccttt aacggcccac tatatagctg 60

ggtatgtgca tttgtccatg cttcaagccc aaatgggtct tggacaaggg agaatgttag 120

aaggcagttg cgatttacac ttttcccatt tactaataca ctccattntc tgattttata 180

attttttaac acaaaataat cccattccag aaaataatca aagacaaat aaggttcctt 240

3669

caatcacaaa gactcactct cttactcaac tntnttcaat cattgtgctt ctagaacaag 300

atcttgattn tgattattat gagaatagta gtcaaaatga gagcacgaca atcaaggtag 360

gcattatttc tttatttgag actctnttgt ttatgtaaga gataagaata tttgttgttt 420

gnngttttga attgtaagct agtgagtgat tgngtgagct tgaacttaaa tataagtgta 480

ctg 483

<210>   8633
<211>   238
<212>   DNA
<213>   Glycine max

<400>   8633

tgtaatcgat taccccttcg gaactttccg agatggctcc caagagtccc tactgtatat 60

attgtattat gtatggcctc cctggtcttt caatatatta ccagacatgc aagttccaag 120

ttcaagtctg atgagtcaca actttttata tactagttgt gtgatccgat tcaaccatta 180

tgtaatcgat taccatttgc gaatgttcga taatagctcc cgagagtcca cctattca 238

<210>   8634
<211>   285
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8634

actcaagctt anacacattc caatttatgt ttaccccagt gaactacctg tcttttaatt 60

taacctcgct cctctttcat gacaccatcg tcaatgaatc tatctaaaga tatcaactgt 120

acacgaatac gcataagcta aaattttaag ttcagtcgct caaacccagc gtgtcagccc 180

aatctataaa accttcatgc ttttcagccc acacattcta gttgtctaac attacacatc 240

cccaagaaga aacatgaatt acgactagct ntcatatcat atcaa 285

<210>   8635
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8635

agcttcaagc caaggccaga ctctcgtgca tgcataggct tctcaagaaa aaaaatgcct   60

aactcaccca aaaaatctga tttcaagctt aaattggtgg gttggtctgt gttcgtgcgc   120

ttagcgcaaa tcataatcgc ttagtgtgca taagtggatt ttggcttagt gcacttctgt   180

cgcttagtgg atgagttgaa gtggtgcgct tgatgacctg gagcgatgca ctcaacgaac   240

ctgataactc atcttcttct ggattcttct tcgggcttaa ccactgagtg tcgcgcttag   300

cgaatgctca ctaagccaga agattggctt agcgagaagg tgaaaacaac acatttgcca   360

atttgcctaa ttaacctgaa attgagagaa attgattatt aaacacacaa aacaaaagta   420

taaattatct attacctata tttaacanan agtacttata atat   464

<210>   8636
<211>   361
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8636

cattggtgta tattgatctc ctcttggcgc tctaaattgt gggaatgtgc tcaaatatgt   60

ggggcaattc tggatagttt tcttgcttga ttaagttgaa ttgcgggttt gtatgagatg   120

gccctaggcc tataatgcat tttgaagtaa tggggcatgc cacattgtcc ccgttctctt   180

gctattgatg cctaaacgcg cgcccaccaa gtgttcggtg aaatgcctca acggcattag   240

cgcgtgactg ttgtanggaa acaacccatg gtgcaatgtg gtttgacata tttttggaca   300

tgcattattt tcaaagacta gagtatagcc cccatatgcc tacgctacaa ctatatttat   360

g   361

<210>   8637
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8637

agctnggctg tcttcctatt catccatcaa catgtagaat gcttattctt tccatattga   60

tgatatgtct tgatccagct ttaactcttg cttgtgcatt cgagtttaat gatccatttg   120

tgcatcccat tttacctgat gaaaagaaga gagcttcagc tgctagatct gagcttggtt   180

3671

```
ctttgtatgg gggttgtggt gaccagtttg ctatagtagc agcatttgaa tgctggcata    240

attcanagga aatgggtcta gaatcacggt tttgttctca gtactttgtt tctcaaagca    300

ttatgaacaa gttatctgga atgcgtaaga atttagcagc agaactatat cagaatgggc    360

ttattcatgg gcagtttaca agc                                            383
```

<210>   8638
<211>   496
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8638

```
ggaaccttga tngaatttcc atccaatgtt ggagaaaggt tcttgtgtaa agtatagatg     60

tcaaagaggg ttaaagaaat gttaatctta taaaatatga tcttgtaaac aataaaagat    120

tattacttac tttttgctaa cattttcggt agtagttatc gctatgttca aagtaagcat    180

tgttttttta tattgattac tagtgagagt ttccatgatt ntcttattat tgttggaagt    240

aatcattgat aanaatgttt aagaaggaaa aaaattatat aaaaagtatg caaaatacta    300

gaaaggaata atttcatgtg aaaaagtgat tttgatattt ataatggttt tgaagtaatt    360

aactaacaaa aatagacact ccagtaataa taacataacg ttcatgtatc tttntctcta    420

gctaacttaa tttggatata acataacgtt ctttaataac annatatnga catcattgac    480

tttgagaaaa aacaca                                                    496
```

<210>   8639
<211>   370
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8639

```
agcttcatga tgaatcaaga ttgattcata gaatttttga ttataacaaa ggtgatgaca     60

aaaagctcac aggtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag    120

aatgagttca atatggttca agtggaaatt agatttcaag aatcaagatt caaggttcaa    180

gcttccaaga atcaagatca agattcatga ctccagattc aagaatcaag agaagactta    240

atcaagataa gtatgaaaaa gtttttttcaa aanatgagta gcacatagat ttttctgaaa    300
```

accttttttac caaagagttg ttactctctg gtaatcgatt accagattat tgtaatcgat   360

taccagtagc   370

<210>   8640
<211>   254
<212>   DNA
<213>   Glycine max

<400>   8640

ttggacaact gctgtttaag cttcttctgg caagttgtct gtggtggaca agcttttgat   60

cttgcaagcc aaattagacc tgtcaagtgg atgaagtcct tatatatgat gattcaaccc   120

ttttctgatc attggaggat gcattgaaga caaatgtttc gttttgtctt ttgctacacg   180

cgagagcaac acacacgtat tactcttgca tatgtatcac tcatggaggg ggtgtgtact   240

gaagatgcaa taca   254

<210>   8641
<211>   409
<212>   DNA
<213>   Glycine max

<400>   8641

tcgattacta gaagttttta cgttttttaac aacctttaga aatttgaatt taaattttaa   60

agcctgtaat tgattacaac ttgtgtgtaa ttgattacca acatgagaat tcaaatttca   120

agtctgaaga gtcacaactc ttcagaaatt aactgtgtaa tccattacaa cagttatgta   180

atcgattacc aataaggaat tttcgaaaat aactcccaag agtcacaact gttcaaattt   240

ttttttgaatg gtcatcaatg gcctataaat caattaccag acatgaaaat tcaaatttca   300

agtctgaaga gtcacaactc tttagaaact aattgtgtaa tcgattacaa caattatgta   360

atcgattacc agtaaggaat tttcgaaaat aactcccaag agtcacaac   409

<210>   8642
<211>   498
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8642

tgaggaagtg tggaagggtg agacttccta cttttattca ttgaccacag agtggtacct   60

3673

ggagatatgt cgcggnggtc aggagacctt gnggacgtca ggtggggtgc tattgcccaa   120

aaccaagctt gaccaatccc gacccaaccc gggcgtagtc agtcagtgag aacctgtgat   180

gtacctaaac aggcaagctc ctggcagtca accgataaaa gaacaaagac cacaaagcaa   240

ggaggcttgt gtggtggctg gccagctgtg aatcttgagt gatatatagg atatggcctc   300

tggtaatcga ttaccaaggg tgggtaatcg attacaaggc ttaaaaacga gatcaggaag   360

ctaagagggc ttctggtaaa cgattacaaa ggggcgtaat caattaccag gcttagaaat   420

gggactgtga atgtgaaggg gcctctggta atcgattaca cagaggaaca ggccatttgg   480

tatcaattac cagttata   498

<210>   8643
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8643

agcttcggtt ntaaatttcg agcgtctcga tattttactg gactcaatcg gacttccgag   60

tgaaatgtta ttgtcgttag aattagctac gagcttcggt tttaaatttc gagcgtctcg   120

atatatttcg ggactcaatc ggacttccga gagaaaagtt attgtcgtta gaattagctg   180

cgagcttggg ttttaaattt tgagcgtctc gatatattac gggactcaat cagacttcct   240

agtgaaaagt tattgttgat cgaatttgct acgagcttcg atttggaatt tcgagcgtct   300

cgatatatta cgggactcaa taggacttcc gagtgaaatg ttattgtcgt tcgaatttgc   360

tacgagcttc gggtttaaaa tttgagcgtc accatatatt acgggactca atcggacttc   420

cgagtgaaat gttatt   436

<210>   8644
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8644

tgtagcagan tagaactaca ataactnttc actcggaagt ccgattgagt cccgtaatat   60

atcgagacgc tcgaaattta aaaccgaagc cagtagcaaa ttcgaacgac aataacaatt   120

3674

```
cactcggaag tccgattgag tcccgtaata tatcgagacg ctcgaaattt aaaaccgaag   180

ctcgtagcaa attcgaacga caataacaat tcactcggaa gtccgattga gtcccgtaat   240

atattgagac gctcgaaatt ttaaagcgaa gctcgtagca aattcgaacg acaataacat   300

ttcactcgga agtgcgaatg agtcccgtaa tatatcgaga cgctcgaaat ttataaccga   360

agcctctagc aaattcgaac gacaataaca tttcactcgg aag                     403


<210>      8645
<211>      441
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8645

agctaggttg catctaacct caataatgga agatttagtt atccattttc atgggtagcc   60

tcaaaataca tggaaggtgg aagaagatga agaatggagg caaagggaag ctttctccct   120

cgcggagatt gtagagacgt gccaaatgaa ggaccccctc ttctaaatga tagtcaaatc   180

ctatttatac aagagccaaa aattctattt taagtgactt ttagctgagt tcaaaatttt   240

agcttcagct aaagtgcaaa acaacttaag ggcgaaagag aatctagctc caacttccaa   300

atttagctca cgcttccaga tgtgtttttg cttgctgtca gaatttagct ccatcttcat   360

tccttagctc aactaaattg aagtccccct cctcaaaata gctctagaga ttntctacta   420

tccactccat ttctacaaaa a                                             441


<210>      8646
<211>      336
<212>      DNA
<213>      Glycine max

<400>      8646

aaatcatccc tcgcaattat tgtaccgcgt ggttggtacc tgtgatgatc acgaatcttt   60

gttcgtggga gcagaatgac agcagtagag tacgagaagt gagattcttt tgtggagccg   120

tcgagctgac tcgatgacgt tgagattata ttgggagagt cgagtgttgt taatcaactc   180

cttcatagtt ggttccataa ctcttgttgt tgaattgagg atgtgcatca caaatgtaat   240

tatatgtatg aacaaattta cttttattta tgcgaatgat atgtgctgag ttactatata   300
```

3675

```
tatgtgtgcg tgcgtgagtg tatgagagta ttcact                          336


<210>      8647
<211>      444
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8647

agcttgacag tattacaaat ctcaatatac gtcttcaagt gtgagtatgg atcttcattt   60

ggtaaaccat gaaacaaatt gctctgtatt agctgtatca atgaaggtgg gtaagataag  120

ttttgtgctt gaacctctgg ccgcacaaca cttgagaaat attgcggcac caaagtactt  180

gagtaatctt ccaaggtcac tcatcgtggt tgctcttcaa ccatgacttt ggcttcaaat  240

tctgttgttt gagattcctt ggattntggt gaattagaag atgatgactc agaaaagtga  300

gcccttcaa ggattgatgc tactgttcta tcatggaaaa gctttctttt tctctcagag    360

ttctttcttc taaagggtgc ttcaatttct aaatccaatg gaaccaattc acctgcagaa  420

gatctacaca tccaaacact taca                                          444


<210>      8648
<211>      388
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8648

ntataagtgc gggtttaaga cacgaaggcc aagtcgccgc gatatgcgag gatgactccc   60

cgacgagatc gganttggta cgaccatgtc ctcctggttt ctgactagga aattggcgag  120

tggaggagtg cccagacgtt tacgcgacaa gcataatgta accctatgta gctctaaaac  180

tctacggttg ggcttaggct atagagtttc cttttgttaa ggcattatgt cttttgctct  240

tgaatgtata atataaagag ctttcttcat ttgttcctgc gcctctaccc attctcattc  300

attntcatgt ctacttcttt acgctcaaga cgctagatcc aacgacgagt ccctcgaaag  360

actaatacccc gagactcggc cgtcaatt                                     388


<210>      8649
<211>      445
<212>      DNA
```

3676

<213>   Glycine max

<400>   8649

agcttgagag gattgatggt gacccggtgt tgttagaaac gaggatatgg gctacgtggg   60

agtacatgag ctcagttgga ggtgggcaac aggggatggt gggtttatgc gcgcattgtg   120

gatgtggaaa acttgttgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg   180

taccccataa tcctacaagc ttgagatgag gaagtgttga agggtgaaac ttcctgcttt   240

tattgttgac cacagagtgg tacctggaga tatgtcgcgg gggtcaggag accttgggga   300

cgtcaggtgg ggtgctattg cccaaaacca agcttgacca atcccgaccc aacccgggca   360

tagtcggtca gtgagaacct gtgatgtacc taagcaggcg agctcctggc agtcaacaga   420

taaaaggaaa acaagaccac aaagc   445

<210>   8650
<211>   473
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8650

acaatggttt taaaatgtgg ctcataaact tggaatccct atccgacaca atgctcctag   60

gaaatccatg aagagtcact acctctttga ataaaagata caccacatga caagaatcat   120

ccnctttgtg acatggaatg aagtgtgcca tcctagaaaa cctatcaaca accacaaaaa   180

tcgaatcttt ctcctcttgg accttggaag accaagtaca aaatccatgg aaatgtcggt   240

ccaaggggag gtaggaattg gaaatagagt atacaaacca tgatgcatga ctntagactt   300

tgcgttatga acaaaanttg ataatatcat gtttcattnt aggccaaaag aaatgttcat   360

gcaaaatgtt caaagtcttt taaactccan aatgtcctgg ttaacccect ttatgagctt   420

cacanatcat gagttcatga naggaacttt gaggcaacac aatctttat ttt   473

<210>   8651
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8651

agctntgcat gtctagtgat tctagagaga gaaaggtccg agttcaagag agttttgaga   60

tattttgttg tgtgacgatc tacagagact agagcttgaa gaggaagctg ttctgagagc   120

ttgagatgag tttgtgagtg gttgtgagat cctagaggtg aaggagacat cctcaccact   180

ttgtattttg caatctttca tttttttctt ctctttggtg aaaggaggct tcctcgttat   240

ggaaagccaa aatcctccgt tggatcttcc ctgttggtac ttgatgtaaa tatcttttta   300

tctatttaat gatgttttgt gtgttctcta tgctatcagt ttttcattct actatgcctt   360

taccatgatc acgtagatgc atgctttgtt agggtcattc aacagtggaa actagtctaa   420

ttctgatgac cttgatagga caag   444

<210>   8652
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8652

ctaagcttct nactnttntt ttggctgagt gagtgaggag agagagaacg cggctttgtg   60

ttntaagaaa agggctttct ctntnttttt taaaagatgt gccacatgtc ttcttttgag   120

tggagcaaaa agggcccatt ntttctcttg atgtgactca cactcagcca caagaagaga   180

aaaatctgac cttttgaaat gctaaaatcc tgcctcagtt tgcgtgtcgt ttctctggtt   240

ccagtccctc gcgtttctct gcacccgtcg gggccagttn ttgaaagtaa gcaatatata   300

tatatcaaaa cgcttagaat gaaaccccga gcgtggttca gaggttggtt ntgttaaaat   360

ttaagttgca cgcaaagaca ataattttag actaattaat tgagaattaa cctataacta   420

tccagttatg gatntctctt ccgtaattag cctaacccgc gtatctttcc nccaatatac   480

ctacttctac caggagtata tatatatata tatatatata tacactgaat aatac   535

<210>   8653
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8653

agcnttatga gagagtcaaa gatcaaatgg agaggaaaaa ttataactat gctaaacaag   60

ccaacaaagg gagaaagaag gttgtcttcg aacccggaga ttgggtttgg gtgcacatga 120

gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180

ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240

atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaattcg 300

atttgaggac aaatccttct catgagggag agaatgatga ggacatgacc aagagcaagg 360

gcaaggatcc acttgaagga cttggaggac ctattgaca 399

<210>   8654
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8654

acattgagat gctataaatt gagatatgga agttcttgag agattcaatt ggtcataact 60

tttcactcgg atgtcagatt caagagcaaa atatacagag acgctcgaaa ttgaacaacg 120

gatgctctct agaaatntaa atggtaaaat tttttcacat ggatgttata ttcagacaca 180

taatatatcg agacgttcga aattcaagaa ttcaaaaatt aaagttctca agaaatatag 240

agatgaaaaa ttatgaccat gggtgtacga ttgagaccca tgatatatcg atatgctcaa 300

aattcaaaaa ttggtccaat tcanaaattc aaagagccct aactntngac atgggtgtac 360

gatngaggcc catgaaatat cgagaacgct cgtaatgaaa aattgaagtt cttgagaaat 420

tcanatagtc ataacattta actt 444

<210>   8655
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8655

gctttacagc agattntatt aatgacccac tattctatta tttaataact taatgccatt 60

aacctacgga attaaaacaa actaaatggc tgagtgtaac tgaaattgtt ggcaaccaaa 120

agttacccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180

ggttgccaat tgggccctta ttacaacttg aactaaagcc cttttagttg attaacccaa 240

3679

```
aacatatttt tggtcagcca actttacaag gattgtgcca ttatttagac aaactaaaca    300

ctctaaaatt gaaataaagt ggtgtcattt agtcctccat ttgggccatg atacaactca    360

caaccttgga cttttctcct tgaaacttgg gcttgtattc aaatagtatg gacagcactt    420

gttg                                                                424


<210>      8656
<211>      503
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8656

ggtagtatta tggggtaccc atcacatgag ggactaggtg gtgtgtcggg cgatggtgca     60

aaacgattct ccacatccac aaatgacgta taacccacca tcccctgttg cccacctcca    120

actgagctca cgtactccca cgtagccctt atcctcgttc ctctcaacgc cgggtcccca    180

tcaatcctcc caagcttcca caacatccag gtaattccac atccaatcat catggactca    240

caaaaccaag caaaacaggg caaaggcaga aaactctgcc caaaacacaa accaatatca    300

cagcttttca catacaaata ccccagtaac attttcttcg ttccaattcg ttaaccgttg    360

gatcgactcg aanatattac tggaagtctc tagtacataa gtctacattg ttaccgctgg    420

gatctgctag caaatgttca taaccccata tgtactaccc ttgtcacaac cagccataca    480

ctagcgattt tctgcactta tac                                           503


<210>      8657
<211>      350
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8657

agctngcctc anagaggtcc aggaaggaca aggtggccga attaactagt tccgctcctg     60

agtatgacaa tcaccgcttt aggagcgttg tacaacagca atgcttcgag gccatcaagg    120

gatggtcgtt tctccgggag cgacgcgtcc agctcaggga cgacgagtat actgatttcc    180

aggaggaaat aaggcgccgg cggtggacat cactgtgtac tcccatggcc aagttcgatc    240

cagaaatagt ccttgagttt tatgccaatg cctggccaac agaggagggt gtgcgtgaca    300
```

tgagatcctg tgtaaggggt cagtggatcc cgtttgatgc cgacgctatc   350

<210>   8658
<211>   503
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8658

acatctcccc tntctcaagc aaattcttct tgatatcatc aaaatcttca tgatttacat   60

tctcccccct tttgatgatg acaaccacct gcaggtgagg agcaacaaca aagaaaatat   120

ctatttgcat atagtttact cccccttggt tttgcaatga ttgcttatat gagacagttg   180

aagatttcat atttttcata tgtaaacaaa ttgtctcata aacaatagat aattnttctt   240

actattttat cttttatctt tctctcccccc tttgtcaaca tcaaaaacaa atcatgaata   300

gagaggagaa agatgttacc acttgttgca atgtatgata atcaagtgat accaaaaggc   360

attaaaataa tcattcaata ttaatcaagc aaaaacaagt acaacgacac atcaatcaaa   420

cacaatcaaa tacaatcaat catcaaatat ttcanatcan attaattaaa ttaacaatca   480

actaactata cacaataatt tct   503

<210>   8659
<211>   511
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8659

ngatgaacct gatgcntcga gatccgtaga gtcacctgcg gcatgcaagc ttgcggaagc   60

tcttacaagc tggcctgcaa tctgtcatta tatgctaggc tgcagccatc atcatgaact   120

atgatgtgca ctatctgccc atgctcatat atatagatat atatatatat agatatatat   180

atatatatat atatatatat atatatatat atcagcaaac taaggctgag gatcctttgt   240

gtgagcatag ttacatactc acacatttca agtggacaga cagcgtaata agttntacac   300

actcactaaa acaccacaca ccatgtgtga tacgtctatt gactcttaaa ataattatct   360

tagagtaaat caaacggtga tttatgagcg gatgacagta taaaactgtt ntacattatc   420

aacgcacagg cattattttg cagtcatatg gcatattatt aagaagctca ccattgaaaa   480

ccataagttc cttgcgctca aagacacgaa n   511

<210>   8660
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8660

atgcctacaa atgaggaaat ccatcanact atcaagttta tggtgagtct cacagcacca   60

acactggatg ggtttcatgt nttgttcttc gaacatcatt ggagtgtaat ggggagagat   120

gtctacaatt tcactagagc tttcttttag gatccaacaa aaattgctga agtgaaccaa   180

acttttttaa ctctgattct gaagaaatgt gaggtcaatt ctattaaaga tatcagacct   240

cttagacttt gtaatgtgat ttatgaagct atgactcgtc ttatctctca acgcttgaga   300

ccaatgatgg tgaaattagt gggtcatttc caatctagcc ttaccccaa   349

<210>   8661
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8661

agctngaaga ggatgcttta atggaggaaa agatttagag aaggagggat cacgaaattg   60

aatgaataan agagggagag aagtggaact ttgaagtgtg tctcataaga ctttcattca   120

tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga   180

agctgtcttg agaaaacttc cttgaaaagc ttctttgaga aaacttcctt gagaagctag   240

agcttagcta cacacacccc tctaataact aagctcacct ncttgaaaag cttccttaag   300

aagattctaa agatgctaga gcttagctac acaaacctct ctaatagcta aggtcacctc   360

cttgagatga gaagctagag cttagctaca caccccctat aatagctaag ctcacccca   420

tgacaaaata catg   434

<210>   8662
<211>   442
<212>   DNA
<213>   Glycine max

3682

ggtagaatgg ctagacatga tacatgtcag ggtttggttn ggttcaagga taaaagggat   60

gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa   120

ctggtcatgc atgcacctat gtggacgctc aagtgtcaaa tttttatggt catctgatgc   180

tagggctcaa gattcatttc ctctatttta aatcaaccca atgtttccaa aatatgttct   240

tttatcanat tgtgcattca tccgagtcca tttcgggcgt ccgggaaaat attcacagca   300

ttcacccttc aggtgtacac acacattntc caaaaattag tgaattnttt caaagaaaag   360

ttggaaatca tctcttttca naagcgtgtt ggttnttcag ctagaaaact taattttctt   420

cttttttttc tttnttttat ca   442

agcttccatg ggattcatgt cttttattat tttattgcct acttgaaatt gaacaaatct   60

gtttaaacgt aacatgaatt cattattagc ccctcgctta acattctag ttaataacat   120

cctgcatatc tttaacatcc tacattagat atgggacaaa atatatttgc cctcatgaat   180

atattttatg tttgctcttt gataattatt ttctttaaat tcctcataaa atataatttt   240

atttgtaatt cttataaatc agtagtgaat tttgggttta tttcttgata ttttttatat   300

ttattattaa ttttttttca aaggaactaa taacaaatga atttttatc agagtaaata   360

aatttttttc taattaatag gaattaaaaa aaggttntaa gaataaaaaa ttgttatttt   420

tatc   424

tctgtccctg agaaactggt tcccagaaga caacatggag tgtagattgc tgtaaaccct   60

```
agccttgcaa caagttctag ggaagtagac acggagatgg acaagaaaat ccgcagtatg    120

gtgagtagca ttttgaaaga agcctctgtg cctgaagctg atgaagatgt tccaacatct    180

tccaccccga atgtttctat gcctgatgtt gagaaagatg ttccaacatc ttccggccca    240

aatgatgaag tactctcttc ctccagcaaa gagagatcaa cagaggaaga tgatcaagcc    300

gcagaggaga cccctgcacc aagggcacca gaacctgctc caggtgacct cattgactta    360

gaagaagtcg aatctgatga agaacccatt gccaacaggt tggcacct                 408


<210>      8665
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8665

agctattncc atgggtcgag cggtcttata atatattatg gaatgcaggc acaggcacca     60

ctccatttga gataaccttc gggcggaagt cctttaattt tccagaatac attgcgggga    120

ttgcaaaggt ggaagctatg gaagatattc tatcagaaag ggaggccacc ttctaggcaa    180

ttcgaaagaa gctcttgaaa gctcaagaac gcatgaagac atatactgat atgaagcgcc    240

gggaggtcaa ttatggctcc gatgactggg tcttggtcaa gctccgacca tatcaataaa    300

catctgctaa aggaacacag gccattacag gcaaattggt gaagaggtat tactggccat    360

tccaaattaa agagaggata agcccagtgg cataccgcct acaattgccg aacggagcgc    420

gaaatcaccc tgt                                                       433


<210>      8666
<211>      409
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8666

atgttctgtt atcaccgtaa cattaaattc aatgttaatt ataaccctat caaccattta     60

aagctagtat atctcatcat caggaatatc tggngttagg aatttcctgg gatctttact    120

tatttcttca tagtttaggg ttgatttcac cctttctggc actggcatga gaggaataat    180

gctatctcta tcgattacac catcaataat tccgtattcc actgcttcaa ttggagacat    240
```

```
atatttatcc ctatcaatat ctctttgcac ttgttcaaat gagcgtccag tgaaacttga  300

tataattctt gtgatattat tcttgttgtg cataacttct ttagcctgaa tttctacatc  360

tatagcttgt ccactagcac ctcctagagg gtgatgaatc ataattcgt               409


<210>      8667
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8667

agcttgtctc agcgtttatg cgagacagag acttacatgt tagctatcat cgccaagtac   60

gaagaagagt taggtctagc cacggcccac gagcatagaa tcgcggatga gtatgctcaa  120

gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc  180

atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta  240

gccaaggcca aggcgatggc agacacctac tccaccccccg aagagattca tgggcttctc  300

ggctattgtc agcatatgat agacttaatg gcccacataa ttagaaatcg ttaggaaact  360

tgtatggtct cttagacctt gactagatat gacttccttt ttgaaatana atgagttggt  420

cccatgttcc tac                                                      433


<210>      8668
<211>      500
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8668

tacctcgaca ccaacagtga caatggcagc gagagtggca gtgagaaaga agagtcgcan   60

aaggaaccaa taatattaag gtgtggaatt gcgagactgg cagtgacaat ggcagcgaga  120

tgcggaggca cggagttgcg atgaagacga tgacgcgggc gacactagag ttgcggcaga  180

gacttgaatg aattagggcg tggagccaat aatattttta aaaattgagt cgttaacatc  240

ggttttttcca tcaaaaccga tgttaacaaa gtgatgttta cgttaacatc ggttnttttt  300

ataaaaaaaa aattgatgtt aacttataat ttaccaacat cggttntttc aaaataccga  360

tgttaaggaa gtgatgttaa ccttaacatc gattntntaa gaaaatcgat gttaacttat  420
```

cattntccaa catcggantt ttgaaaacgg acgttgcgtn tcatgtaaca tcggttctca   480

aaaccgatgt aacctactat   500

<210>   8669
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8669

agctctcacc ccataattcc cccatatttg ggcttatntg ctttgaacca aaatttcctt   60

ttatgaatga tgctctccta caacctaaga taaggtagaa ggagataaac tatacaggct   120

caaggttcaa tcaaacaatt atactttcag ctcaaaatgg tgcaagggat aaatcaatca   180

tgcacgaggt aagctttta gctaagtggc tatcttcaat ccaaacatgg ccttcatcat   240

ctttaatttc acgcattcat tccatactca aagattcatg caaaaatcat tactcaatgt   300

tagtcgttct ctcacaatta aagatcacac tctcaccggg ttacggctaa tgcgttcctt   360

cacaatcaac ctgacaaacc aactaacatt ttcattcatg atcctcattc catgttcttt   420

ctcttctaat gattgcatgc tcattc   446

<210>   8670
<211>   343
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8670

ttacatgccc aactcctttg agtgacattg tattggttgt taacttgact gttgcattnt   60

attacatttg atatctgttc tgcattgtgc atcatcatag tgcgagtaaa gaaaattttt   120

taagttagaa aaatttcttc agatgcaaaa actctcagtt ttaatctatt atagagttcg   180

tcgaatcgat tacaagctgt ctgaagctta naaagttaag tctcatatcg gtttaatcaa   240

ttacaatagt attttaatcg attacactgc tgtttgagac aatgactgat tnttcaagag   300

tctctgctgt aatcgattac caggtggatt aactcgatac ttc   343

<210>   8671
<211>   170
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   8671

atggaatact tactcgttgg tgatgatcan aagcgcttaa cggaatcata aaatgcgaga   60

aaggatgacc ctatggctgc caatttgtca atcccgtggg tatggctgtt gaaaggtggg   120

gaaaagaagt atctgaatgt ataaacgccc acccttcgt cattattata   170

<210>   8672
<211>   445
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8672

agcttaacct tgaactacta tgttgcttaa cattgttaga gatagggggaa gcaacatgat   60

caacatggtg aacaacctan aggctatagc ttgaagctca aggaaaagct tgaagaattt   120

ttggctttta catgcccgac tcccttgagt gacatttgta ttggttgtta tcttggttgt   180

tgcatattan tacatttgat atctatattg catcatgcat catcatggtt agtgagaaga   240

aaagtttcta agttagaaaa gttacttcaa aggaaaaaat tatttgtttt aatcaattac   300

agagttgtcg taatcgaata caagaagcta tctaaagctt aaagagttga gtctcgtatc   360

gatttaatcg attacagtag tctcataatc gattacacta ttgtttgagt caatgactga   420

tttattcaag agtctttggt ttaat   445

<210>   8673
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8673

tgagatgagg aagtgtagaa gggtgagact ctctgctctt attcgttgac cacagagtgg   60

tacctggaga tatgtcgcgg nggtcaggag accttgagga cgtcaggtgg ggtgctattg   120

cccacaacca agcttgacca attccgaccc aacccgggca taatcagtca gtgagaacct   180

gtgatgtacc taagcaggtg agctcctggc agtcaacaga taaaaggaac atagaccaca   240

aaacaaggag gctcgtgtgg tggctggcca tctgtgaatt ttgattgata tatgggatat   300

3687

```
ggcctctggt gatcgattac caagggtggg taatcgagta caaggcttaa gaatgaagac   360

aggaagctaa gatggtctct ggtaatcgat taccaagggg tgaatcgatt acc           413
```

<210>   8674
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8674

```
agctntacac tntntcctct ntagggnnga tcattatctt attcatatta tcgnattatc   60

actattggtt ntgtacattc aattctttta ctatgggtat tcgcttttta atatgtggtt   120

gaataacttt attttttttcc tctaataggt ttatttaaag gatgatgctc cactacctct  180

tgttgcactg caatgacatt gctcattcat gagatattcc atacttatat tgaatacaat   240

gtttcaactc tttatttcta actaaagaac atgaatattc agtaaagtgg aaatatgtat   300

tttcattgtg tattgtgaag gcataaccct acaacaaaat ggaaatacat ttctacttgt   360

attctgaaga atgaaaatgt atttctgtca aagataattt tgtaaaacaa tccataaaaa   420

gcatgagtgt gaacttagaa naaaatggga tggaaataa                          459
```

<210>   8675
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8675

```
agctgctatg gaggctggat cttngagctt caatgaggtc cttcaatggt gattntccac   60

catatagatg cagcanaacg caaacgagaa gaggataatg gaggcaccat ccactacgga   120

ataagccatg gaagaaggag cttcaccact gagaatgtgc cttggataag aagctcgaag   180

aggatactct aatagggggaa aagatagaga gaaggtggga gcacgactct gaaggaatac   240

tagagggaga gaagtggaac tttgaagtgt gtctcataag actttcattc atcatagtta   300

caacaagtgt tacacatgct tctatntata gactaggtag cttccttgag aagctctctt   360

gagacaactt gcttgagaag cttctatgag agaacttcct tgagaagcta gagctgagct   420

acacacacnc ntctaataac taagctcaca                                    450
```

<210>   8676
<211>   310
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8676

```
tttaaattta tgatttaatt nnttttgagg tggagttgat attgagaagg aggaantaan     60

agatttgagg gtaaatnntt tttaaggggGa agaaaatgat gnaatntttt ntaggaaggg    120

annagtnatt agaagtatga gnaagagggt ttaagagaat tgggttagag ntgntgaaaa    180

aggGggtagg gtttttatga anntnaagat agatttttga gnnnatggan naatgttggg    240

ttnaattatt tttgtanata ttaaantagg atggtattat atttggtnnt tgtatttagg    300

gttnnataat                                                          310
```

<210>   8677
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8677

```
gacactatga aactaagcct atctagttat aatggattca ctggaggaat agtggacact     60

acactattca naaagggcta gaaaggaaan ttgttgattg ttcaaatcta tgtagatgac    120

ataatctttg gtgcaacctt agaaaagatg tgcaaagagt tttctgggct aatgaaaggt    180

gaatttgaaa tgagtatgat gggtgagtta aagttcttgc tagggcttga aatcattcag    240

aaagatatga tggatatttta tccttcaaga aaaatacaca aaggacatac ttaagatgtt   300

caaagggat gaagccaaac ctatggctat tcctatgtat ccttctctag tcattgataa    360

ggatgaaaga ggtaatgata ctcgtaaaaa gataactgct agtagaccag atattgtatt    420

t                                                                   421
```

<210>   8678
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   8678

agcttcttcc ttagccattg tagtttacta tggtttgtct cattctacac ctattggatt   60

ttggattatg gtgtttgtaa tcatttaact agtaatcctt ccttttctca aaattattat   120

tccccaaaac actagatcat accattctcg ctaacaacca atggctntaa ggtattatct   180

tgttgagaaa tctgagggga taaacaccga ggatatttac accaaagggt tactaatata   240

agtgagtcta acatcacacc ttaatccaaa atcttaagga taaagtttat gggtcctatc   300

cttacttttc aaccttccta ttcctacccg atgtgggacc tcattttaca cttatacttc   360

aacaatctcc ccctcaaatg taagtctctt ccacatggta gcttccccct cgagtggaag   420

tcattntcaa tccatgagta cctagt   446

<210>   8679
<211>   340
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   · 8679

acactccagc tcttataaga cacccctacc ttgcaagtat tntgttcaat aatgtgattg   60

aagcaaattt tttattagat ctaattaaat aaatgtttag tattntgttc tttcctatta   120

gtctgttgat agctaactgg aataaaagaa aagctaaggt cggaccagtt gatagctaat   180

tggaataaaa gaaaagctaa attgcaggga ataactatga tatctttgta tttcatcatt   240

accccctttt atagccatct catacaagat attntgctaa gtngttataa cagaattatg   300

aaattgcata accacacagg tatcaagtaa aacgtggaaa   340

<210>   8680
<211>   358
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8680

ccgagactcg cgctccctgt taatgtttcg gtagtttcct tttatcagnt tctgggccac   60

ccccctgata ttggaagagg gccaactgtg cgagcacgac agagagggag gctgtcagat   120

ggctattatg cataccgggg caagatttca cccgtaccgc tgcaaagaga caagtgcgga   180

```
ccatgcgcac caacatgacc actcttacac agatatagat gacattgcta cttagcaaca    240

ttcttgccag cgaccgcaat gccaatctcc ccctacaaaa gtatcagttg gtctgtgtcg    300

tcccgacatg ggtaagtatg catatggttc aactgatttc tgataccatc tattggtt     358
```

<210>   8681
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8681

```
gggagaggat gcttcaatgg agganaagaa agagggagag aattagagag gggggagcac     60

gacattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct    120

cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc    180

ttgagaagct ttcttaagaa aacatccttg agaagcttct ttgagaaaac ttccttgaga    240

agctagagct tagctacaca cacccatcta aaaactaagc tcaccttctt gagaagctgg    300

agcttagcta cacacaccca tctaaaaatt aagctcacct ccttgacaaa atacatgana    360

atacaaaaaa aagaagtccc tactacaaag actactcana atgccctgaa atacaaggct    420

aaaaccctat actaatagaa t                                             441
```

<210>   8682
<211>   294
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8682

```
agctngagat gaggaagtgt tgaagggtga aactttctgc tttntattgt gaccacagag     60

tggtgcctgg agatatgtcg cggcggtcaa gagaccttgg ggacgtcagg tggggtgcta    120

tttgccaaaa ccaagcttga ccaatcccga cccaacccgg gcataatcgg tcagtgagaa    180

cctgtgatgt acctaagcag gcgagctcct ggcagtccac agataaaagg aacaaagacc    240

acaaagcatg gaggcttgtg gtggctggcc agctgtgaac tctgaatgat atgt          294
```

<210>   8683
<211>   377
<212>   DNA
```

<213> Glycine max

<400> 8683

```
tgtcacatca gataatgtca aaaatcgtat cattttattg agaatcgggc atggtattgt    60

aagtgacatc cttggccaga gtggatttga ttgggatggc actaagcaca tgatcacagt   120

tgagaatgaa aatgcttgga atgaatattg cactgtaagt attctttctt taatatgttg   180

ctattcgcta ttcaaagtag attggatttg acttttcctt tgtttccaat cgcataaatc   240

ggctaaactg tttcgattca ggtgcttcac aattgggatg atataaggga tttgtgtgct   300

aaagatagag ccaccggtca tggagctgaa actgctatgg atgctgatga agcgatgagt   360

atagaaacaa atgaagt                                                  377
```

<210>   8684
<211>   317
<212>   DNA
<213>   Glycine max

<400>   8684

```
gcttttgttt acaaagaatt tttattctgt accctcgggt tttgcgccgc agcgtgactc    60

aaaagtagta tgacagattt gtgagcacgg aaagacgtaa taccggtgta acgggcatgt   120

cggcgcattg acaatgggca caaacgacgt agtctctacg tgctataggc ttttcgttta   180

cgacagaaaa agttatcgga ttgtagtgct tactctactg aggttaaagg tggctagatt   240

ttgtaaacat agccttaaca tgaagaactg gagttgtgac atgatgtcac gtatgtaaga   300

ataaacggcc gacatgc                                                 317
```

<210>   8685
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8685

```
gcttgtgaca cgtggagatt aggttatctt ccacgctcac aagatctgtc atactgactc    60

ttgcttcacg ctgacggccg gaaatacccg agtggttatc cgtataaact tcttgcattc   120

tgtaagacga aaagcctgat aacacgcaga gactaacatc gtcttctgcg accttcgtca   180

atcgcggccg acaagcccgt tgacacgtgg agatttacgt catcttccgc gctcacaaga   240
```

```
tctgtcatac tgactttcga gtcacgctga cgggcggaaa tacccgagtg gttatccgta    300

taaactgttt gctgtctgta agacgaanag cctgatagca cgcagagact aacgtcgtct    360

tctgcgccct cgtcaatcg cggacgacat gcccgttgac acatggagat ttacgttatc     420

ttccgcgctc acaagatctg tcatactgac tnttgagtca cgctgacggg               470
```

<210>   8686
<211>   432
<212>   DNA
<213>   Glycine max

<400>   8686

```
agcttgttga aattgccatg tttggatgag ttattcatac ccattctgtt ttacggttta     60

tgtgatgatg tttgtgatgt ttatatactg aaattgctga tggaaaactg ttagagatga    120

agggtagaac taacctatgg ttagaaagtg ggaatgtgat gttatgagtg gaaaaagagt    180

gaggctttga gagttggaag gttaagtatg aattctgtga taaatggagg ataaagtgag    240

ttaatactag cttgaaatgt catttatgac ttgggagaaa gcttggactg tgctagagag    300

aaaaacaaat gatcaaagtg aacaaagagc catttctagg gcaaaattag gtgttgaaga    360

ctcaaatttt gagttggtgg aattttgggt gtaaatccag tttgaacaag tctaaattga    420

tggtatagac tt                                                          432
```

<210>   8687
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8687

```
ttatgatgat gcttgtgagg tttgtgtgct gaagttgctt atggaaaact gttagagatg     60

aagggtagag ttaacctacg gttagaaagt gagaatgtag tgctatgagt ggaaaagagt    120

gatgctttga gagtttgaaa ggttaaatct ggatttggtg gtaattggag gttaaaggga    180

gttaatccta gtttgaaatt tcatttacga ctgtgggaaa gcttgggctg tgcaaaggag    240

aaaaatgaat gaccaaagtg aaggccagag ccatttctag ggtaaattgt gtgttgagga    300

gtcaaatatt gatccggtgg aattttatgc gtagaaccag tttgagcaag tttagattaa    360
```
```
                                       3693
```

ggttatagac ttgtgtgagg tgagaagttg ctccatatnt accccattct cattttcact   420

<210>   8688
<211>   419
<212>   DNA
<213>   Glycine max

<400>   8688

agcttaggaa cccaaacttg tagcttcaat gctttgaaac atgcttatgg ctaggaatcc   60

aaaatttggt tttagaatta gaaaaacatg aaaattagga cttgcttgtg agaatttttg   120

ctcaagtttg ggctgcccca tgtttgatac tttacataga ggtagcgtgg aaaaagcctt   180

gcaatagtat gtatacatag gtaaatataa ggagcatgaa attcctagca aagtgtgaat   240

gattgtcttc ctaaatgaat gtatgatagc acggaattcc cttttgaatg caagtgtgtg   300

cataatgtaa atagcttgtc aatatggata aatgtgaatg aaacaataaa aaaatttgta   360

tgatatatat ttcaaacact atgtaggtag ttgtaaatag aaaatgttca cgatataaa   419

<210>   8689
<211>   385
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8689

nttccanagt ggtcttcggc attacattta agctcgatcc attgtcgata agtacctttg   60

cgacaacgtg gtccatacat ctcactgaca catgtagagc cttgttgtgt cctctcccct   120

caacgggaat ctcttcttcc gcaaacgcga tataattgtt ggtggttata tgattaacga   180

taccttcaaa accctccact gagatatcat gtgctacatg ggcatcgtta aggaccttca   240

tcaacagcgc acgatgaggc tnggagttta tgagtagttc aagcaaagag atccttgctg   300

gagttntatt cagttgctcg actaccttaa actcgctttg ttggatgagg cggaggaact   360

catgggcctc ttccaaagtc actat   385

<210>   8690
<211>   450
<212>   DNA
<213>   Glycine max

<400>   8690

agcttgtatc tagccgcctt ttcaacctaa attctaaata caaaatcata cttgtttgtt   60

tctcttcttt caccaaatct ttcatattgt ttatatttgc aatgctagca aaaatataat   120

aatattccac attttttaaa tcaattaatc attttatcat attaaattct ctaatttaat   180

taatcatcaa atattaaaat aatttcttta atagagatta gaacacttgt ttgtgtataa   240

ccccgtaggt tcaatactaa tcggatgata tattaatcaa attaatatac taatcaaggt   300

aggcgtctag caacactcct taacgtccgg atagcatgaa gtaacatttt actttcaaga   360

accattagaa gagtagtgta ataatttctt ccatctttac agctttgggt taactctaga   420

gtatgatatt actgtcaaac ccttttgagt   450

<210>   8691
<211>   356
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8691

cgcttttntn tttccgactc tgaagtcata ttttctttta tgtttaaaga tctttgttat   60

aggatattnt atttactcgt attttttgtt ttgttttcaa ttcttgaaaa aattgtcaat   120

aattttattt atttcattat taaataaata ttcttcattt tactagttat tatttttatt   180

taatatcttg tatatgtttt ttatatgatt ttatttaata cgttatatat tttttttaata   240

tttttttaaaa atattttata taattatttta gtcaagttct gtttaatata ttttgtatat   300

ctaacactta gataacttgg taatcctgtt atcggatcta atgtattcgg aaatga   356

<210>   8692
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8692

agctngccct gctaaaggat tgcttgtaac tagcatgcac tggtgcatgt gcgcatcata   60

tgctttggtt tggtctgtga aatgaaattt tggatgagcc atgttggttc tctggtttag   120

gaagtgtcaa atgaaatttg ctagtagttt tctgctcacg tgttggagct tttatgcagg   180

ctttggagca atttctgcta gcaatttcct ttgcatctat acaattntca tgacagtaag   240

```
gaactattga tatggactag gaccactgtt aaatcttata gcagtttgta gagtttgaaa    300

aataatcaca tgatttaatg tcctgtttct tctctttctc ttataaattt attataaatt    360

tacacattgt tttggagctg gagtttcatg tatttgagct tcgaattaga gagagaacaa    420

ggaatgacca ttactaanag caaaaaaata tgtca                                455


<210>      8693
<211>      344
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8693

atcaaatctt atcttatcca gattgtattc catccagact ttattccgtc tagattttat     60

ttcgtccaga ttntatttta tccatcttat cttatcttgt ccagattta ttttatttcg     120

tttatgggct tggacttaaa atagatttgt aagctntgtg gctaagaacc tcatccatac    180

attttttaat agtatgctct ctttattttc ttttgatata ctttgtgttt taacgacttg    240

aattcaatat gaatttgttt atcaattatt tgtggagttg tacattactt atatgaaatt    300

ttataagttt attgttttag ttagatttca ctacgttcta aaat                     344


<210>      8694
<211>      453
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8694

agcttccatt gttcaatttc gagtgtctcg atatattatg cgcctgaatc ggacctccga     60

atgaaaagtt atgaccattt gaatttctcg agagctacct ttgttcaatt tcgagcgtct    120

cgatatatta tgcgcctgaa tcggacctcc gagtgaaaag ttatgaccat ttgaatttct    180

cgagagcttc cgatgttcaa tttcgagcgt cttgatatac tatgcgactg aatctgacct    240

ccgtgcgaaa agttatgacc attttaattt ctcaagagct tccgttgttc aatttcgagc    300

gtctctatat gtgatgcgcc tgaatcagac ctccgagtga aaagttatga ccatttgaat    360

ttctcgagag cttccgttgt tcacatttga gcgtctcgat atattatgcg cctgaatctg    420

acatccgagt gaaaagntat gaccatttga att                                 453
```

<210> 8695
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8695

tatgcacgga anatgtaatt atgaaattga gatgcccgaa gattcaccat ttcctagtta   60

accatgcatt aggtaccatg ttcaattatt ntgtttttaa gtgaaacggg tttatgatcc   120

caacatggtt ggctcgtggt gcctaacaca tgaaactaag aatgtagtgt gaagtttcac   180

gcttcccct tttttgtttt tgttttgtag aggaaaacgc aaggatgagc aaacatgana   240

acaaatggta tgcaatctgg cagatcaaaa agtttgttga acgcatatgc atgatgatgc   300

catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcag gaacgatatg   360

ttcattatga tgttatgaag agatgcttat gcgatgcatg atatgaatg   409

<210> 8696
<211> 455
<212> DNA
<213> Glycine max

<400> 8696

agcttgtaga ggatgcttca atggaggaaa atatttaagg agagaaagag agaggggga   60

gcacgaaatt gaaggaagaa aaaagggaga gaagttgaac tttaagttgt gtctcacaag   120

actcttattc atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtaa   180

cttccttgag aagctttctt gagaaaactt ccttgagaag ctagagctta gctacacaca   240

cccctctcat aactaagctc accttcttga gaagcttcct taagaaaatt cctaaagaag   300

ctagagctta gctacacata cctctctaat agctaagctc acctccttga gatgagaagc   360

tagagcttag ctacacaccc cctataatag ctaagctcac ccccatgaca aaatacatga   420

aaataccaaa aaaatcccta ctacaaagac tactc   455

<210> 8697
<211> 225
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8697

ntagttgaca gatatgttaa ccaagggact tcccacggag tatcttcaag aaccttattg 60

caagctgtga atgatagata tgcattcacc agcttgaggg ggagtgttgt gatacattcc 120

ataattaaca cagattntat tatgtacaga ttctattcca ttgtatttct ttccttaatt 180

aggttgcttg cagcatataa ataaatcttg tattcacttc tttgt 225

<210> 8698
<211> 451
<212> DNA
<213> Glycine max

<400> 8698

agcttgactt gatataatgc tcatctatct cttgatttca tgatggacat agcagtagtc 60

tgctttgaca ggttctttgt ctttttttgg cttctgctgc taaaccggtg actgaattgg 120

atatctctgt ttcggccttt gagtgagcac tcgcgattat tgtgctccgc gctggatgcg 180

cgctttccta atgtattatt gtcttgcggt tgcacaatga aaatgcatcg cgaactcatt 240

gattatttga tctcagaatc cactttattt taaagaggag gcttgaagta tgcatttcct 300

atgataaaag agtaatactg aatagctcgg ttttgagctt tagagggggg gaaaaacatt 360

aggtggtgga gatccttgtt tccaacttgc tgagtatttt gatgactaac acatcactaa 420

tacctgtgat ccaagcaacc aaaaacctac t 451

<210> 8699
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8699

tgcgaggctg caagtgtagc atatatgcac aacagcctca ccgtagaaat cccacgtgag 60

agtgaaaact caacagctat gagaatgttg tctctctacg acaacattgc tagaagacat 120

gttcccgcca aactgggaca gttctctgcg atggtggttc ttgatttgtc ggagaacaag 180

aatagtggac cgctgccaac cgatgccagc aagggacgta cactctagga cttggtcgct 240

cttgataaca tgttttctgg cgagatacca cacagttatg cgaactgcat ggtgctgtcg 300

aagtacaaag tgatctgcaa ccgtatggag gggtccattc ccgctggact catcaggttg   360

tgacacgata caatcattga tttgagtagc aacaactnta ccggtccggc tcctgagatt   420

aacggacatt ctagaaaatt atctgagct   449

<210>   8700
<211>   456
<212>   DNA
<213>   Glycine max

<400>   8700

agcttacatc taggaaaaca ctggcttaga atgatgtgct tcatgttccc tctatcaaag   60

ttaaccttat ttctgtagca ttgtggggag aggttggggt aaagatatcc tttgagtcta   120

ataagatagt tatgactaat aataatgtat ttatggggaa gagatattgt gatcagggtg   180

tctttgtact caatgtttct gaagtgatta atgagaatgc atcttcttat gcttacttga   240

ttgattctta tgatatatgg catgctagat taggacatgt taatccaact tatgttatga   300

aattgcaaca atcatgttta attaatatgc atgagaaaca cagtaagaaa tgttaaatat   360

ttgttgaatc aaaattaact aagaaatcat gtccttctgt acaacatgaa attgaactgc   420

taggcttaat tcattatgat cttgcatatt taaaac   456

<210>   8701
<211>   389
<212>   DNA
<213>   Glycine max

<400>   8701

gagctctcta atctccaggt tctaagtgcc acacaccta gacactaagc accaatctag   60

tgctaagcct aatatgttct agcactaagc cttaagcgag aagaagacaa cttgttcttt   120

ggcctcttag gaataagcat ggagggctta tgcgttgagt atgggatcat ggaccttgtt   180

catgacagtg atgaatgaat tagacttagg agtctaattt aacatgcgct ctgaatttgt   240

gttttaattg ttataattat aggcccttg ttatttcttc tctaaatttg tgttttaatt   300

ggtgaatggt atgtgagtgt ttatgaatgc taagattctt tatgaatgtt atgtttgtag   360

tggttgagac tattctcacc cttttcctc   389

<210>   8702

<211> 402
<212> DNA
<213> Glycine max

<400> 8702

tgcctacaac aatctttaaa tatttatgta ggaataataa atcaaagaag ttactaatga   60

caaaaaaatc aaagaagtta aatataaatt taattttgat caagaaatga caaatgaaaa   120

ttaatgtgtt tttgaaattg ccaagagctg attgaaaatg taaatttatg cacttcgatt   180

caaaggtcaa ggtaaaaaag aaatagaaca ttacatgtaa atttaatgaa aagaataatt   240

gaattgtttt ggttaagatg acgagttaga aaggaggaag tgaaattttc aaataacttt   300

tttatataaa actattcaag gatgatataa aaactatttt taaaatagtt ttagctgagt   360

gtcattaaaa taattgtttt attgaaaaat agtagtagat gt   402

<210> 8703
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8703

tgcagacatg ggacatcgta tagtatatat gattcacgat cttgggacag acggttttca   60

acaagcacat gcacccttgt atgacaaaat acaaagtcat tcaaagaagt ctgtgtattc   120

gaggtgcaca tctttcacat agttgtcagc ggtgttaagt ctggccaact tgaaggcatg   180

atttgcatgg agtgacaaga gcttcatcaa attgtttgtg ttattgaana gcatgctttc   240

tgaggataac acattgccga ggaatcacta tgaggcatag aagattgtat gttccgtggg   300

aatgcagtac cagataatct atgcatgccc taatgattgt agtttgtaca taaatgattn   360

tgtagagatg cgtacatgtc ccat   384

<210> 8704
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8704

agctttgact ngagtcatca aaagattata aatatgtgat catggcatgg atnttttaaa   60

```
aaataacaat caagaaatct atctttcaat cttctctctc aacatcattc aactctttca    120

acagattttt tctgattcat cttctcttca tctttctaaa agtttttgtt caaaactttt    180

tctttcaaga aaagttcttt gataaaaaac ttggtctatt aatctttntc attctcttct    240

ccctttgcca aaagaacaaa ggactaaccg cctgaattct tttgtgtctc tcttctctct    300

ttccaagaga attcaaagga cctcgcctga gaattctttt gattcttccc ttccccttaa    360

acaaaagatc tcaaaggact aaccgcctga gatatctttt gtttcccctt tacaaagatt    420

caaaagacta accgcctgag aattctttgt                                    450
```

```
<210>      8705
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8705
```

```
ctcagtagta gtataattgg cttgggcatc atctaaagtc ctagaagcat aatatatcac     60

cctgcgcaat ttatcaattn tttgagcaag gacagccccc aatgcataat ttgatgcatc    120

acacataagc tcaaaagggg ctgtccaatc gggtgcctgg atgatggggg tggtagtcaa    180

cgctcttttg aggcaatcaa aagcctcttt gcatctgtca ttaaagtcaa actccacctc    240

cttttgcaac aagttggaca gtggaagggc tactatgcta aaatccctta caaagcgcct    300

gtagaatcct gcatgaccaa gaaaagatcg cacctctcgc acacaagagg ggtaaggcaa    360

ttgtganata acagaaattt ntgcaggatc tacttcaata cccttattgg aataatgtgg    420

ctanaactat acc                                                      433
```

```
<210>      8706
<211>      450
<212>      DNA
<213>      Glycine max

<400>      8706
```

```
agcttaaagt atgcccgagt cattcatccc tatgagatgt tgatgaagta ttggcgatca     60

aaatttccat tccttggatt atagggttga accaagctca tgcttttaca aaaaggttca    120

tcaagtcaag ttgaaatatg gaagtaacca tcctgcaaaa ttggggcaaa agatgaattg    180

agtcacatca ctgcttagtc tactgccaaa catatttagg attgttgatg tccttgctac    240
```

ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300

cccatatcct gcgtaaaaat tcgcaatctt caactgtaca tcattcgcat acatccatgc 360

tttttcattgg ctgcattgct cattgcattc tttccttgaa aaataaaata aaataaaata 420

aaatgaactt aataattgtt atcaaaaaaa 450

<210> 8707
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8707

ctataaaact cagcttgtgg agtatgggat acccatcaca tgtggtacta tgtggcggtc 60

gggcgatggt gcacaacaag ttntccacgt gcacaaatcg cgcataaacc caccatcccc 120

tgttgcccac cttcaactga gctcacgtac tcccacgtag ctcatatact cgattctctc 180

aacaccgggt gcncatcaat cctgccaagc ttgcccaaca tgcgagtaac tcaacattca 240

aacagccaaa at 252

<210> 8708
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8708

agctngttgg agaatgttga aaactgtggg aggtttggtt tgggttacaa gcctacaagt 60

gcaaacaaat ggaggattgc tttggaaagg aaagagaaat gcatagctcg tttacaaggg 120

agagaattgc aggtggagag ggtccctatt tgtcacatca atgagagctt tgtgagtgca 180

gggtggatgt acgaagatca ggttgctatg ttggatgaac agaccgatca agatcagcca 240

aattgggtgc aaccatgttt gctagacttt ggattgaaaa attggtagat catagagaaa 300

cccaagattt atgtttctga tttgatgtaa ttaagcattt ccaggtccta ttgctatgcc 360

taaggcttta ggattcacat attgtcaggc gtacttttct tttcaattcc agtgatcatt 420

aataaaatgc attntaaaga catatcccct 450

<210> 8709
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8709

tagccctaga ggggatggac cttntcaggt tttggagagg atcaataaca atgcctatag   60

gttggacctc ccagaagagt atggagtcag caccactttt aacatttcta atttaactcc   120

ttttgcaggt ggagctaata ttgaggagga ggaactaaca gatttgaggt caaatcctct   180

tcaaggggaa ggggatgatg caatcctccc taggaaggga ccaatcacta gaaccatgag   240

caagaggctc caagaagatt gngctagagc tgctgaagaa ggccctangg ttctcatgaa   300

ccttagagta gatttctgag cccatgggcc aaggttgggt ccaattatct ntgtacatat   360

tagactagga tgtcanttat attggtcctt gtatttangg ctccatattg tangtagggt   420

accctagaaa tatangaatt ttcagccctt gtattttt   458

<210> 8710
<211> 261
<212> DNA
<213> Glycine max

<400> 8710

agcttcttgc gtagccgctc ttggtgctca cattattcca taaacaaatc cctcttatta   60

ctagctattt tgaattcttt agttcctaaa tgtacatcct tcaaattgtt gctcgttccc   120

ctctttgaga atgaggagga tcttcatagg acttcataca gctgatgttt gtcggcaatt   180

tcatcatcca ccaccctttt cttctgtgcc ttctcacgtt cattattgtt aaacccatat   240

ttatgccttc ttcccttcat g   261

<210> 8711
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8711

tccttgagaa gcgtagagtt agctacacac tccatctaat agctaagctc acctccttga   60

gaagcatgct tgagaagcta gagcttatct acacacaccc ctctaacagt taagctcacc   120

3703

ccatgccaaa atacatgaaa atgcttagct acacacaccc ctttaatagc taagctcacc 180

cccatgccta aatacatgaa aatacaaaaa agtcccaact acaaagacta ctcataatgc 240

cctgaaatac aaggctaana tcctatacta ctagaatgac caanatacaa ggccaaaaag 300

aaggagaacc tattctaata tttagaaaga agagtggacc caaccttggc ccatgggctc 360

agaaatctac cctgaggttc atgagaaacc ttggtgatgt tctcttggct tctctatctt 420

tgtattctgg gaagtctctn taattccttg gtcttcatac gaatctctat gtata 475

<210>   8712
<211>   407
<212>   DNA
<213>   Glycine max

<400>   8712

tgcaagcttt gcatcctaga ataaccaata tattttgtag cccaacctca ttacaagcca 60

ataaaagttc ttctgattca atttgtgtat ttctaacttt atggtaagag atgaagtaca 120

aatattggac ctcttgttag ttgttattgc taaatagctt aaacacatat gattgagttg 180

tgttgcttac taacatgttc tcttctctag ttaagcatct ttccatgaaa tttgtctcct 240

acctagcttc aattagttgt gttgcttact aacatgtttt cttctctaaa aaactgcatg 300

tcttgtgaaa agcaattgat aaagacatta tgtttcattt gttatcatgt gattaatatt 360

ttgtgaacca tacacctttg tacagaatca ttgcattgtt ttatcac 407

<210>   8713
<211>   368
<212>   DNA
<213>   Glycine max

<400>   8713

tgaatcacaa atctgaacct gtcgacagac tctgtggttt atgctcctct gccgaccacc 60

acacagacct ttagccttct gtgcaacaat ttgaagcaat tgaacagctt gaagcttatg 120

ctgcaaacat ctacaataga cctcctcaac ctcagcagca gaatcagtca caacagaaca 180

gaacaattat gacctctcca gcaacaggta caatctcggg tggaggaatc atcccaacct 240

tagatggtcg aatgcttcac cacagcaaca acaacaacaa caaccttatt ttcagaatcc 300

taatggccca agcataccat acgttcctac accaatccag cagcaacaac agcaacagcc 360

ctagaaac

<210>   8714
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8714

agcttgagca aattagtcat gcaatatngg tggattagtt nttttttttt atttttctag   60

ttttttctta tcttttttcca tatttgagtt agcttctgac ataggcattt gtggcctaac   120

atgctcttta taaatgtgtg tgctataatg acatttaatt aatagaggat aattcaatta   180

agtattacta tgccttgtta tttcttagct gtgtttagtt tcaacaattg atactatcca   240

atggctttca cgggcttcag attttttaaa aaaagtgtgt ttgagctgcg atggaattga   300

gttataatag taataactta tatgatctta tctgaagttt aaacctagac ttttcagaga   360

cataaggtca tgtctttttt ttttcaaatt gtttaaaaga gtcactgcac tcgttgatgg   420

aacaaacgca gtcttagttn tacattct   448

<210>   8715
<211>   325
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8715

actcttgggc taancactan gaagaatcca cactaagatc acttgtacat gttctctaat   60

cacaccgttt catctctcta agcgcaccgc ttcagctcat ccgctattcg agaaacgctc   120

actaagccga aaatcactaa cgtgcgctaa gcagttcgca cgtgcgctaa gcgcacgatc   180

atgaacacgg ccacctatct cagcctgtaa tcaaaatttg tgacgggagt ttggactggg   240

attcacaggt ttgcatagtt gtggtttcta gagagagaca agtccaactt ccacacagtt   300

ttgagagatt tactgcgtga agatc   325

<210>   8716
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8716

agctnganac atgtgcctta gtgtaaaaga accgttgtga gtagcaatgg atgtctacat   60

tcaaattttt accattttgg taataaattt tagactttga ataaaaagaa aaaaaagtgt   120

gtttagcaat tttggtgaaa taatttaatt taatataaat taatgtgcta atgatcaaac   180

tagaatgtta ctaacatgtg attacttcac ggtatttcag taagctgtag aagccttatc   240

aaaggcgtgc attcaacatt aggtaaaatt ataacatttc aatcaacaat ataaaatata   300

gtaatccaac atcttaagga agtttaacta taattcttaa tgaccagtca ttattaattt   360

catcatatac ttgactatct attcccaatc acaagctaat gttacattgt ctatttcata   420

acatagtcta agttttagtt gaattaacta ct   452

<210>   8717
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8717

tctagctgaa gctgaactnt atccttctcc ttgctaatat ttgaatcaaa gtgttagttt   60

acaattggaa tagaaatcag catttgcaac tagcacctac tgggcagata ataaacttca   120

aacaaattat acatttgaca tactataaaa cttgtactca caaaaagatt aaacagatgg   180

gattgtcttt gtgtgtgtgt gtgcgcgcat tgtgcatgtt tttatggngg tggtggaaca   240

tgaaagatgt attgtacaca tacattgtaa gtttactgtc ctagcattgt atcttttttt   300

aaaggaaatc ttattaagtc tcgtggaaga atctaacaat gtgagccttt cccaaaaaag   360

tatatgaaac cacacacaaa cacaggatga ttccaggaca aacatgtaaa cttcaccttc   420

cagaaaactg gttagtaaac caggcatcgt ggtttcccaa tataactgct ntagcanatt   480

caagaatcac aacactctta atgac   505

<210>   8718
<211>   431
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   8718

agctggcttg tgaagcttct atggaggctg gatctttgag cttcaatgag gtccttcaat   60

ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtaa gaggcggcac   120

catccactag ggaataagcc ttggaagaag gagcttcacc accaagatga gccttggata   180

agaagctcgg agaggatgct tcaatggagg aaaagaaaga gagaggggg agcacgaaat   240

tgaaggaaga aaaagggaga gaagttgaac tttgagttgt gtctcataag actctcattc   300

atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtag cttccttgag   360

aagcttctnt gagaaaactt ccttgagaag ctagagctta gctacacaca cccatctaaa   420

aactaagctc a   431

<210>   8719
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8719

aagctataaa actaacnatg ttntaacatc ttgaaagaga agatgaggat ctcaaganaa   60

ttcatcaagc tcatttagtt gattntatcc tggaaaccac ttcactgggt gatgtacaag   120

acacctttgt ttgtaggagg tcaaggcatt actagacgaa aaggtatcca gtggacgata   180

aattcttctt aaggattttc aagacttaga agaaaggttg aaatccttaa ccatgactct   240

tgaaaattca gaagtagaac acaaggaacc ccacagacaa atctagtcat ggtttcaaag   300

gcaaaaaggt tgtgcatggt gaagaagtta ctatttgtta tttctatgga aaggtgggtc   360

atgagactca taaatgcaag gacttctcta aaagggcaac ccatcaaagg gttcgttcaa   420

tgcttaccaa cacccatg   438

<210>   8720
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8720

agctngaagg tcaagtcttg tttattgcgg aatcttaatg tcttcatata ttaaacatgc   60

cagacaggta tataagtttc acaaacaact tacattttca tatattggaa tttatgaaaa 120

gtctgttaat tggataaatc ttaacgctag gaaaaataaa gatttatgat aaggaataaa 180

agtgtgctga aaaaggcagg gaaaataagc aacatggctc atatacttca tattctgttt 240

atccaccggg cgcctttggc ctcaagaagt gtggcaattc ctttcttttc ccttcatgca 300

ttgcggacta ctcacagttt aagccaacaa tatcaaacta atatacacat ctttctctag 360

taattcaatt tatttatcat tttataccccc tcctccgatc cttcccacat taagatgcag 420

catattataa acacaagatc tttagatgaa ttgtgcatat tt 462

<210>   8721
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8721

aggctgttgt caccttctcg ctaagccaat ctgttgtctt agcgagcatc tgctaagcgc   60

aacactcttg ggctgagcac gaggaagaat ccagaagaag atgagttgta catgttcgct   120

aagcacaccg cttcatctct ctaagcgcac cgcttcagtt catccgctaa gcgagaaagg   180

cacgctaagc caaaaatcac taacgtgcgc taagcagtcc gtacgtgcgc taagcgcacg   240

agcatgaaca aggccaccta tttaagcctg aaatcagatt gtgtgagggg agtttggact   300

gtgattcaga ggtttgcatg attggagttt ctagagagag aaaggtccaa gttccagaga   360

gttctgagag attntactgt gtgaagatct gcagagacca gagcttgaag cacgagccgg   420

cttgagagtc tgagatgaga tagtgagtga ttgtgagatc ct   462

<210>   8722
<211>   485
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8722

atcctctgag tcacctgcgg catcgcaagc ttcgcgaaaa cctctattnt atgaagcaaa   60

tagggcataa tttgacctca aaacactcaa attctaaacg aatagcacaa aacatgtgat   120

cacatcatgg ggaacaaaac tcctcaatca atttcaagaa aacatgcaag aataaaaaat   180

ccccaaattt ctaggtttct aacattcaaa gccaaacact caattaaacc atccaattca   240

catcagggca ttaattgaaa tgtcaaacat gagaaattcg ttgttatcat tgtacagaca   300

taattaaaat gcatagaaca ccccaaaatt aaccccaatt tgatcctcta aggatcccta   360

cacatgttca ctctaacccc aattgcgata aactcatccc ttacctctat gagggcacat   420

gtgtgtagtc cagcaactat agcggcatct ctagtggtta cctacgataa actcatccat   480

taagt   485

<210>   8723
<211>   487
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8723

actcagaaac taagctttta tccaggctca tcttggtggt gaagctcttt cttctatggc   60

ttattcccta gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc   120

catggtggaa agtcaccatt aaaggacctc attgaagctc aaagatccag cctccataga   180

agccccacaa gcaagtttcc atcaacctta cgaaaagaaa acaagtatcg ctatgaaatt   240

cgtaaagtta cgaaaaaaga atcaccaaaa aaagaaaaag ggggtgtatt tataaaaaaa   300

agggtgtaaa tagtaaccag gcccacttgg gccttccaga ttcttcctcc aaaaggttgt   360

tgcttctaga ggaagcaacc tggctcgcct gngcgagctg ggtggcaagc tcctccacta   420

ttctgctcta catagggaga ggagtgaaga acgaagggtt tcagccttct tggcacttcg   480

tattcac   487

<210>   8724
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8724

agctntgaga aaacatgtga tccttggcat catcaaaaca ttcagcttga tccttgttct   60

acagatacct ccattttatc atcaacaatg ggcacccaat tacccatacg aagttcggtt   120

caaatacaat ggagcaacct acccaatacg ggtccaacaa caccgaggaa gatatttttt   180

tgcagatgga ctctcagaag ttaggacaga tttaaaaatt tacgagtcta ttatcatcaa 240

cttctatgcc tgcgataata ataccatctt tgatctacat tttacacctc ccctgaacca 300

acaaacatgt ggtagaccaa aacttcattg ccgtatacat gcctggagaa ctgaaattac 360

ccaatgtata ctgggtgctc cccaaccact ggtaatatac aatcacatta acttgcatta 420

ttatgagaat tccaataata ttattaatct ctgtaaatga tccc 464

<210>   8725
<211>   491
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8725

tctanactnt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60

tcttaagaag gggggggttga attaagatat tccaaactac ttccccaatt aaaaatctat 120

ttcactcttt actcaagtta tgaattccct taatgacaat cttcttaaat attgattcaa 180

ataaaacaat ttgaatatga atataaagca ataataaata aaggagatta agggaagaga 240

aagtgcaaac tcagatntat actggttcgg ccacaccctt gtgcctacgt ccagtcccca 300

agcaacccgc ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360

aggacaatcc ttcctttgtg tttagaattc ctttacaaca agagactcac agtctcttaa 420

tccgttagag aatgaggaga agaagaagaa taaatctctc tagaaagaga tggatttaca 480

gaatgagact c 491

<210>   8726
<211>   494
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8726

cccccccct acttctcctt ccgcctcgat taataattac aannncaacc ccgggattga 60

cttgactcgg accaagcacg cggtgcactg aacaggccta tgaaaaactt tggattcatg 120

gagctactgg gatttaccct tgggaacaac ttagactttg atcaaagaaa agagcggcca 180

cccattggga acagtaataa catacccgtg tatgacaaca aacgtacaac gaggatactt 240

3710

acggaattca cgaagctgta gaagccctaa caaaggcggg cattcaacac taggctcaat 300

tatcacattt cgatcaacaa tatcaaatat agccatccca catcttacgg aagcttaact 360

ataattctta aagaccagcc attactaagt tcatcatata cttgactatc tatngccaag 420

cacaagctaa tgttacatcg cctatgtcat aacatacgct aagttctcag cgaactaact 480

actaagtctc cacg 494

<210>   8727
<211>   385
<212>   DNA
<213>   Glycine max

<400>   8727

attcatcaag ctcatttagt tgattttatc ctggaaacca cttcactggg tgatgtacaa 60

gacacctttg tttgtatgag gtcaaggcat tactagacga aaaggtatcc agtggacgat 120

aaattcttct taaggatttt caagacttag aagacatgtt gaaatcctta accatgactc 180

ttgaaaattc agaagtagaa cacaaggaac ctcacagaca aatctagtca tggtttcaaa 240

ggcaaaaagg ttgtgcatgg tgaagaagtt actattagtt atttctatgg aaaggtgggt 300

catgagactc ataaatgcaa ggacttctct acaagggcaa cccatcaaag ggttcgttca 360

atgcttacca acacccatga gctaa 385

<210>   8728
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8728

agcttgtaag ataatcatac aatagttttt gctgtcttgt gaattgatta tgcttcaaag 60

tcctataatt gactgaggaa acgctttgaa attctgcaaa actaaggaat gggaaatcaa 120

tgcaatggga aagacaaaac gccaacttta cagcttatcc tcagtgtagt tgccttcaag 180

ctcaagctgt atcacaaata tntatctcna aatcattcaa gattatgagc gcggacaaat 240

caaacacgta aacacacttt aacaaaccaa atgcttgctt tgctaaaaga tcaaaaagac 300

tcgatactag tatttaataa tgtttgtctt tactagcata tatacatagt aggagtaatt 360

gattaaagaa gtacgcataa aataataata taccgtaaga taaatccatc acaattcact 420

3711

```
gttctttcca accggttaga ttattatgtc tt                              452
```

```
<210>      8729
<211>      395
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8729
```

```
taaccccaac cctaacccta tccctatcca tcaccctgat gctgaaattc tccaccagtt    60

caacgagaac gataccgaga accttcggtg cgatggaggt ggaggttcca gttatcttcc   120

gatggataac gacgcgataa ggtcgttttt ccccacaacg acgtcgtcgt tggttcactt   180

ccagagctac ccaccggatt tgctttccag aaccagtagc caggacctgc gtctctcgct   240

tcagtctttg caagacccgg ttntgcttca ccagaatcac cacaacaacg agcacgtgct   300

ttntgctgga accgggtttg aaaacatggt agcgtggaat agtagtagta ataataataa   360

taatactgct tctaatcgat acttgtggcg gggtg                             395
```

```
<210>      8730
<211>      395
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8730
```

```
agcttctatc tttntatatg cctaacttat cctatggact ccgagcaaac gagcacggac    60

ccataggtga acgcctgatt ttcttgtttt gagaaaaaaa aaaaaaggat gcacagggtt   120

tgcttgcctg ggcaagcacc ccttgcacga aaagggttaa aaggagaggg aaggggttag   180

tttttcaccc aaaacttctt catctcatcc aaaaaacgta agctcactgg atccctcgga   240

tttccagcct taggtcacca tttctctgca ttttttgatt ccattctgtg ctgttattca   300

tccccaacaa gagatggctc tgaagaagct ctccacaaag aggtccagga gggatgccca   360

tggggaaagc ttcaatgcct ttgtggagtt cgaca                             395
```

```
<210>      8731
<211>      480
<212>      DNA
<213>      Glycine max
```

ggactctgac ttgtctgggg gagttgtctt catgatctaa caagttggta taaaattcct   60

tgaccagngc catatctatg caatcatcag gttgcctagt caaggcttta tgccaccgcc   120

tcctctcgag ctcattccgg aactcatcat actatgtcat atacaaatcc acattcctct   180

cagggaggat attcctggaa tgtacattct gctcgtacct atctgaagcg acctcggaaa   240

caagtctagt cgtatcatag ggttcttgag gtcgggatgt ggatgatttc ctctgtttgg   300

aggccatctg catcaaaaga atcacaggan agaaagttag acaggttnta ttcaagactg   360

anagcagana aataaaacag gataaaggat tgggcgctta gcgagacaga ctcgcttagc   420

gcaccttaag aaaataacag catatgctta gcgcgcangg cgcgcttaac gcgtcaacat   480

ccacacgctg ccgtatctgt cgtaactntc nctctnctac atnangtttt tanngctntc   60

ctattttctc tttttcctag tcnatcgacg ncacattgag acttggagtg tctncattcg   120

agatcctaga aagngacctg cagcatgcaa gcttgcatnt acaacaatat atcttataaa   180

taatctattt aatgaatcca aaggtccaga acatataacc ccaaagataa ctttatcaca   240

gaggcacaaa ttcctatgat atgtccgcct actcattaaa attacactac tgcctagctt   300

taccaagctc cgctcttaaa cttattttaa gttttctagg cggcccataa gccagttttt   360

catgaatctt atatgttacc ctacatttta caccctaaaa actcactttt aaagtcaaat   420

ttttaataca aacaatccac aaatccataa cagttagttc aatatcctga cagatgtatt   480

ccttagactt aattcattca taacgtttgc tagaaaaaac tataagttgt aacacccaaa   540

aaaatcactt ttaattgtac aatctcaaga agaacaacat atcaaacagt tccaacccat   600

gtagcacg   608

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8733

aactctttnt atagcagatt tgttggtgct acttcacaac cccttgaact acttcacatt   60

gatttatttg gtccctctag aactatgagt ttaagtggaa attactatgt ctcggtaatt 120

gtggatgatt actcaaggtt tacttggacc ttgtttataa aaactaaaaa tcaagctttt 180

gatgttgttc gcaaacttgc caaggtgatc caaaataaaa aaaaaggtct ttacggtgtt 240

tcatctagaa gtgatcatgg agatgaattt accaatgagt cttttgacaa cttctat   297

<210>   8734
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8734

agcttaaggc ctgtttccat attcaaatca aatcagtgtt tcgaaagttg cttttttat   60

caagtccatg caaaaacata tgaattcatt tgggttttgg gaaagtcctt cattgttttt 120

cattctcaat gttttcaaaa caattctttt gttgtgttct gattgaaaaa taagtttcaa 180

aaatactggt tgttgattct tttcaaagca tgttatattc aagaaaaaaa aatttgctta 240

agtcccaaaa agagttataa tctataacta tactaataga atatcaaagc acacgtaagt 300

tttttaaaaa attcaaaaca ataaataacg taataaagta ctgaaattta atgcaaagcg 360

ataaataaac ataaagacaa cttcacgaat tttcaaagat catnggtgag gagctcaatc 420

tccttgatga tcatggttga ggagctcagt ctcct   455

<210>   8735
<211>   308
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8735

agatgaggaa gtgtggaagg gtgaacttcc tgctcttatt cgttgaccac agagtggtac   60

ctggagatat gtcgcggagg tcaggagacc ttggggatgt cangtggggt gctattgccc 120

```
aaaaccaagc ttgaccaatc ccgacccaac ccgggcatag ttggtcagtg agaacctgtg   180

atgtacctaa acaggcgagc tcctggaagt caacagataa aaggaacaga gaccaccaca   240

gcagaaggct tgtggtggct ggccagctat gaacttgatn gatgtgtgag atatggcctc   300

tggtaatc                                                           308


<210>      8736
<211>      368
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8736

agcttgaaat gaggaagtgt ataagggtga aacttcctgc tnttattcgt tgaccacaga    60

gtggtacctg gagatatgtc gcgggtatag tcagtcagtg agaacctgtg atgtacctaa   120

gcaggcgagc tcctggcagt ctacagataa atggaacaaa gatcacaaag caaggaggct   180

tgtgtggttg ctggccagtt gtgaaacttg attgatatat gggatgtggc ctctggtaat   240

cgattaccaa gggtgggtaa tcgattacat ggcttacaaa gtgaagacag gaagctaaga   300

tggcctctgg taatcgatta ccaaggggtg taatcgatta tcaggcttga aaatgggatt   360

aagaagct                                                           368


<210>      8737
<211>      481
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8737

gacactataa aactcaagct gaaggatgct tcaatggagg aaaagaaaga gggagataat    60

gatagaggng ggagcacgaa attgaaggaa taaaagaggg agagaagtgg aactttgaag   120

tatgtctcac aatattctca ttcatcaaag ttacaacaag tgttacacat gcttttattt   180

atagactagg tagcttcctt gagaagcttt cttgagaaaa cttccttgag aaacttcttt   240

gagaaagctt tcttgagaag ctagagctta gctgcacaca cccctctaat aactaagctc   300

acctccttga gaagcttcct tgagaagatt cctaaagaag ctagagctta gctacacaca   360

nccctataa tagctaagct cacccncatg ccaaaataca tganaatata taaaaaaaaa   420
```

3715

gtccctaata canagactac tctaaatgcc ctgaaataca aggctaatac cctatactac   480

t   481

<210>   8738
<211>   449
<212>   DNA
<213>   Glycine max

<400>   8738

agcttctata gaggctggat ctttgagctt caatgaggtc cttcaatggt gatttctcgc   60

catggagatc agcggaagat aaaggagaag aggtgagggg aggcgccatc tactagggaa   120

taagccatgg aagaaggagc ttcgccacca agagagtgcc ttggataaaa agcttggagt   180

gggtgcttca atggaggaaa agaaagagag agagagaaag agagaggggg gagcacgaaa   240

ttgaaggaag aaaagaggga gagaagttga actttgaagt ttgtctcaca atacgctcat   300

tcatgaaagt tacaacaagt gttacacatg cttctattta tagactaggt agcttccttg   360

agaagctctc ttgagaaaat ttccttgaga aacttctttg agaaaaattc cttgagaaga   420

tagagcttag ctacacacac ctctctaat   449

<210>   8739
<211>   507
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8739

cctcgggtaa tctactacgc ttccagaact ttggatgcta cctcaagcaa attacactac   60

cacagagaag ggagctatta gcgatagttt tgctcttgag aaatttcgtt catatttact   120

tggtacttgt gttattgttt atattgacca tgcagctctg aagtacctgt tgaagaaggc   180

tgaatcaaag cctagattga tcagatggat gctttggctc caagagtttg atttggaaat   240

ctgtgatcga agtggtgcac ataacctcgt ggctgaccac ctgagtagga ttgagcatgc   300

gtttgaggac tcacccattc gggatgtttt tctgaatgac catttgtaca ttntgtatat   360

tatttctaat tccttcccca ctccttggtt tgctaatatt gtgaattaat tggttgcttc   420

tattttgcct tccttagtat ctaaagctca caatgatana attaagagtg atgctaagca   480

ttataattgg gatgaccccc tattgtg   507

3716

<210> 8740
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8740

agctntacaa aagttacgaa aaaaaggtac tcttacagtg ttttctttat aatttgtttt   60

ttattttctt tatctcatca ttcattttaa tgatttttct attttttgaa tctctccttc   120

caagttatat tatttgttgt ataaaagctt tatatcagta tatatagtta taaacctttg   180

gagatataag gtgagttcaa ttattaaggg aggagggaac ggagaaaaat ctcatattgg   240

accaatttta acaaaaacta ataatactga taattaacat ttgtcataaa aaaaactttt   300

gggattcatt cgagaaagtg aaaagaaatg aaataaaagt gaatttagat aaaagttttg   360

aattaaaata gagagtaaaa gtgtgagtct caccattgtt aggtctagat gaccactcat   420

cttatccacc ttgacttttg atgtataaca ataaatataa a   461

<210> 8741
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8741

tatttgccta acaagccaac ttacaacagc aagctccaag agactcagca taaggatgca   60

caggccagag ttgagtatgt gaaaatattn tatgaccaag tgaaggtgca aattgcaaag   120

aagaatgaaa gctataccaa gcaagacaac aagaaaagga aggaagtggt acttgaaccc   180

agtgatgatc ctggacattt gagggcaaat gttttccaag aaggagggaa tgatgagaat   240

cctgaaactg gcaaaataca ggctaaaggc ccaagtggag aaggacgaag gcctaagtgg   300

agaaggacaa agcccncgag tggagaagga tgaatgccca gaggcagaga cattatcaag   360

actattaatt gttgctgaag gcccatatta atttgaaggc ccataataaa tatgttctaa   420

ttttaattaa taattttta   438

<210> 8742
<211> 463

<212>   DNA
<213>   Glycine max

<400>   8742

caagcttcac ctttggtcct cctcatagtt ggtgcatgag ataacatgct ctattttcat   60

ctcccactcc aagtaggcct ccggatcatt ctttccttta aatggaggaa tgttgagttt   120

aataccatca attcggttct gtctaggaac accatcattc cctcttctcc tcctttcttc   180

ttcattatga tctctattct ccatttgatt caacctctca tggagcgcat catctcgttg   240

tttcattaac ctctccaaat gttgcatcaa agcttgcatt tggaattgcg aaagccccac   300

tccatcatta ggattagtac ctgacatctc aaacaaacaa atcaaatgta acaagacaat   360

tatagttgct gtttgaatac ctcacccact caagtgtatc acacaattat ggcttttctc   420

taatgaaaca ctcttgcctt ttaccactct aattcccctt gag   463

<210>   8743
<211>   324
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8743

catatgtatg atctaataat ctgctatttt caactcagac attctcattc tgtgacttgg   60

caactgcaac tagaaattnt tgagctgaat gtcttttggg agagggaggc tttggtagag   120

tatatgccat taggatgcct ggaagaccac ttgcatggta tttgcatttc aactattcaa   180

gttgttttat cccttcttta atttatatca tcttgaagtt attattggtt atatatgttt   240

gatttgcaga tattcctcct ggcaagaaac aacttgactg gaacactcan atganaatag   300

ctgctgggta antacacatg aagt   324

<210>   8744
<211>   456
<212>   DNA
<213>   Glycine max

<400>   8744

agcttcaaga aaaagatggc ctcagcaaat tccttatttc caaaaggtaa ttctatcaat   60

agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt   120

```
attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc    180

acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa    240

cctagagata gatggtctga agaggataga aaacgagtac aatacaactt aaaagccaaa    300

aatataataa catctgccct gggaatggat gaatatttca cggtttcaaa tcgtaagagt    360

gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacgga tgttaaaaga    420

tctatgataa atgcactaac tcatgagtat gaatta                              456
```

<210>   8745
<211>   497
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8745

```
ngagatgagg aagtgtagaa gggtgaaact tcctgcnttt attcgttgac cacagagtgg    60

tacctggaga tatgtcgcgg nggtcaggag accttgggga cgtcaggtgg ggtgctattg   120

cccaaaacca agcttgacca atcccgaccc aacccgagca tagtcggtca gtgagaacct   180

gtgatgtacc taaacaggcg agctcttgga agtcaacaga taaaaggaac aaagaccaca   240

aagcaaggag gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg   300

tctctggtaa tcgattacca agggtgggta atcgattaca aggcttaaaa atgaagacag   360

gaggctaaga tggtctctgg taatcgatta ccaaagggtg taatcgatta ccaggtttga   420

aaacgaggtc aggaagccat gaaggcttct ggtaatcgat tactgatcga ggccgtaccc   480

gaatcanata aacatta                                                  497
```

<210>   8746
<211>   462
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8746

```
agctngcatc cncattnttc tttattcctt caagctataa aaataaaagt attattaata    60

ccatcaaatt aaaccaatat atagttaatt aaaatgatca cattaattat atgtcacgcc   120

atgttcccaa caatactgcc tgataattaa aactaaaata aatacaaaac tcatgctttt   180
```

```
aactattagt atgattatga ctattaaatt ttttttttga aagacattat gactattaaa    240

atttaattaa aatgtcagcg tgatattgtt atactcagac atgatgaata ttcaaaagta    300

gagggaatat aattatgatg gtgaatgatg gcgatgggct ttcaaatgta ggtgatgatg    360

tatgggtggt gggtgttata cccatatgat gaggatgatt gagttgtgaa agatgtgcat    420

gctgataatg aaatgaacaa taattttttt cttaacacaa tg                       462


<210>      8747
<211>      462
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8747

cgatgctgag gggtgcttgt ttgatcggtc aactcattnt tctgagtagt gcgttacact     60

tttattattt gttcatttca ggttcaacac tgtagcatat ttgcagcaaa tatggtggtt    120

tgaggtggat ggggagttca gcttcccttt tcctgctgat atttatactc tctcctttag    180

gcttcacctt ggacgatttt ccaagaggct tggtcgacgt gtctgcagtt atgaacatac    240

ccatggttgg gatataaaac cagtgagatt tgagttgtca accatggatg gtcagcaagc    300

atcatctgag tgctacttgg atgaaactga acctgatgat ttacacggca atcacaagcg    360

tggacattgn gtagattaca aggtgggtga gtttatcgtc agtggatcag aacctacaac    420

taaagtaaga ttcttcatga tacagattga ttgacacact ct                       462


<210>      8748
<211>      397
<212>      DNA
<213>      Glycine max

<400>      8748

atgctgactc accataaacc ttgacctatg gtgataatgg caatccttac cctcggaagc     60

atgcaagaat atatgggatc tttccggtct tagaaaagag atggaatatt tccaatgaaa    120

gaggaaaaaa gaaaagaaag gaaattccca atcgaagagt gggagaaaga aaagaaaag    180

agggagaatt cccttcccaa gaatgggaga aagtaaaaag ggaaggaagc tcctggtcaa    240

agaaaccaga gaggtctttg gaccagataa tatctgaaca gtacagaatt gtcaccaaat    300

gaacaaaaag gaaggaaagg aaaccacgac ctagaatggt cttctccctt taattaccaa    360
```

3720

ccaaaatccc gtgcgctagc gaccctttt tctcgcc

<210>   8749
<211>   420
<212>   DNA
<213>   Glycine max

<400>   8749

atgcacggag aatgtaatta tgaagatgag atgcccgaag atataccatt ttctagttca   60

ccatgcatta tgtaccatgt tcaattattt tgttttgctg ttgtgagttc ttgttagaaa   120

tgggtttatg atcccaacat ggttggctca tggtgcctaa cacatgcaac taagaatgta   180

atgtgaagat tcacgcattc ccttttttgt tttgttgtgt agaggaaaac gcaacgatga   240

gctcacatga gaacagatgg tatgcaatgt tgcagatcaa caagtttgat gaacgcatat   300

gcatgatgat gccatgactc atgcagaatg tgaggctgtt atatgataac agacaaatgc   360

aggaacgata tgttcattat gatgccatga atagatgtgt atgcgatgca tgatatgaat   420

<210>   8750
<211>   344
<212>   DNA
<213>   Glycine max

<400>   8750

taatccctaa tctctcttcc ctcgtggcat catcaaaagg ccaaagtgca taagacatac   60

atgactttct tcttaaaata tcagtcgcat aacatccatc gataattaat tataaaagat   120

tctaatctag acatcaaaag agacatgaat aagccatgga agaagttaaa ccacataatc   180

tataaatgtt cactcatact acgcaaatat tacaagaaat actaaatgtt caaatgtcat   240

aataacatat ccaaatacac tgcttgagat cagagtaaag taataaaaat atatatcatt   300

tagagaagtc actagcatct agcagtccta attctcttct aata   344

<210>   8751
<211>   253
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8751

tctctgtaac aatcaagtna gatatcctct ttcaaggaat gaggctcatg atgagtaaaa   60

atggacaact taatataagt atggccagca agactcttgt aataatatat aaatgattgc   120

tcacgatgag gacttgtgca ttgaggagac aaataagaag aaatagtgcc ataatagctt   180

tcagacaaat aaccacaagg ttttttatat tagtagagaa tctgacagga tctgcaatgc   240

tctgcaatat gtc   253

<210>   8752
<211>   453
<212>   DNA
<213>   Glycine max

<400>   8752

agcttgtata ccgctccacc cagtgaaact tcagttgact ggccccataa aatgacaacg   60

ctactagcga agtcatcaca gttattgtgc tgtaaatgca atgtgtgaag cttggttagt   120

aatgaatatc taaacaattt ttatttgcaa acttaattgg catctaaacc agagtagcat   180

caacccagat taagaaactc agggccttta agattgtgaa tcttttagtg cagaacagca   240

ttcaaaattc aaatacaaga cagaaataag gattcctata tgttccatca accaacctga   300

atttcaaaaa agtagtcaag ggatctagct gaattgttaa ccatctttgt ttagcttgga   360

tggcatctca aaattcaagt agtttgtggt accaaagaga ggtttgtcag acagacatga   420

tgtcttatta gaagtcttag cataagttgt cat   453

<210>   8753
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8753

ggtatatctg anagataaat canaagtaac taataatgca ttctgacgtc tcctacgtac   60

ataaaacgcc gtttacttta taaatatagc gtcttggtct tggatgtgat gtcatattga   120

gtgctcattg cttcctaatt ttcttttgag ctagttcctt ttcaaagttg aacctacaca   180

tgacgggagt acatagaata ataataaat gttagttaag ctaataataa aattcttctt   240

tattagtttc ttaattgaat aaaaataaaa taatagatat aataaataat ttgataaaaa   300

gagaaaaaaa taaataaagg aacaaaggc aaacaaactg ttgaatcgat atggaaaccc   360

```
ttagaagcag cttagcctat aaatagaagt tagtgaatng aattggttgc atncatantg    420

caaattgaag ttaaaggatg aatatctata ataacattc                           459


<210>      8754
<211>      443
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8754

agcttattat attgtgcacg ccatggtgca ttgttaatta aactacgcac ganagctacc     60

tatataaagg tgtaatgaaa gtccaccata tacttaaagt tggcataaaa tgtgcttatt    120

cagccacctg tatgtgtatt tgtagcagaa atgaatcggt taagaaacag aacttaatca    180

aaattatttt gatcagcacc tgtttattag ttatgctttt gagtgtagca ttcatattga    240

tatttgtttt tcggaatgat gattgatgta agtgttcatt cagttatttc tttgattctt    300

gctttcattc tggaccgtgt tgctcatcat cacaggtcca aatgcttgat accaatgaat    360

attgttatta cgtgttcact gtcattaatg acaattgata tatgctatac aaattgggtt    420

catgatgagt gaaccttata ttc                                            443


<210>      8755
<211>      413
<212>      DNA
<213>      Glycine max

<400>      8755

gttgcgattc attctatgta cccgtagtgg tccacattgt gtttcgtgca tatttattct     60

cgttgtggtt actttgtata ccccctgttg acgtgcttaa gccattttac ttaagtcatt    120

tctcgcttaa cttaaaaata aaataaattt ccaccgaacg ttcgaattgt attatgcatt    180

aacttcggct aaaataaatt acgactgttc ggtcgtgccg taaccacgtt ggaaatcaaa    240

aagaggtaaa aaataatata ataataaaaa aaaacatctt tttagtgaaa taaagcggaa    300

aatcaatcgg acgttgtctc tttgggattt ctcattctta atcgaattga ttaataacta    360

aagtgaaact aatgctaaga tcaactcacc tagtcaagct cgtccacaaa aat           413


<210>      8756
```

<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8756

```
agctaggctc tagaccttgt cattggatcc tataactcat gaagtgcttc taggcccctta   60

tactctttga atatctcgag aatgaacaat ggaacatctc gagtaattca aatggtcata  120

acatttcaat cgaatctccg attctagcac gtaatatatt gagacacttg aaatcgaaca  180

tgaaagctct cggcaaattc aaatggccat aactttgac tatatgattg aggcccatga  240

tatttccaga cgctcaaaat tgaacaacgg aagctcttga gaaattcaaa tggtcataac  300

ttttcacttg gatgtccgat tcaagcgcat aatatatcga gacgcttgaa attgaacaca  360

aaagctctga ccaaattcaa acgaccataa ctnttcacat ggataatcga ttgatgccca  420

tgatatatcg agacgctcga caatgaacaa c                                   451
```

<210> 8757
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8757

```
tctgcataat tggagagttc tagagagaga aaggttcaag ttctagagag tctgagagaa   60

nttgttgtgt gaagatccgc agagaccaga gctggaagag gaagccatcc tgagagcttg  120

agatgagttt gtgagtgatt gtgtggtcct agaggtggaa gagacatccc cactacttgt  180

atgtctgcaa tctttcattc tcttctcttt gttgtaaagg aagctttcca gttatggaaa  240

gttaaatcct ctgttggatc ttccttgtaa gtacttgatg taaatatctt tctatctatt  300

taatgatgtt ctgtgtgttt actatgctat cagaacttca ttctaccatg cttctgcctt  360

gatcacgtag atgcatgtgt tgttaggatc attcaacagc ggaaattggt ttgaatctta  420

taacttgata ggacatg                                                  437
```

<210> 8758
<211> 438
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   8758

agcttcacca ggaagattat tgaaatatgc tataaagaac taataggaat cataacctat   60

ttcataaacc caaacatata agttctccca aatgtaccct cagtatcttc ctccacaacc 120

ttctagagct aaataaaata acaattaccc taaacctaat tatagaatta gagggaaaat 180

actccttaag atgctataaa aataggctgt aaactgaaca cactgactgg ttttaaaatc 240

aaagctacaa aagataattt tccagcaaga tgcaacacaa atatccttat gacattaaaa 300

tgatagctgt ctgcaatcac cttaaagaag tctcttcatt ntgaagatca taagaatgat 360

tacattgtga ttccttctct ttagaatgta aaggtcttgg tgataggcca gacaaatgac 420

aatagctgtt catacctg
                                                             438

<210>   8759
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8759

tattgtatnt atctatctcc caatgccgtt gtaaagattc atcatataaa atgcatgaag   60

cttgaattct agatgagtgc ttaaatgcat gggcataaag atatcattct atgtctagca 120

atgattatct tatattatct tttctttntg ttctattaga agttacccatt tgtcgagcgt 180

gtaaccccta aaactaatgc atgcacacct tctttaaatc ttatttagaa gttaccctcc 240

gtcgagcacc taactcctaa aagaatgtaa agataaatgc atgggagata aatataaaag 300

acaatcggat agaaaaacac atgttgttgc attgataaat aatgaagagt acatcataca 360

tcgctntggc tttangcctg ccagacccta actaggngtt taacctctca tggccattga 420

nggctntaca ctggat
                                                             436

<210>   8760
<211>   421
<212>   DNA
<213>   Glycine max

<400>   8760

agcttcctag acgactactc cggatacaac cagatcagaa tggatcctct agacgaggag   60

```
aaaatgacat ttatcactgc ggatgccaac ttttgctata gggtcatgcc tttcggccta   120

aaaaacatag gcacaacata ccaacgactg atggatcgag tcttcaaaca acagatcaga   180

ctaaacattg aggtatatat ggacgacatg gttggcaagt ctcacagcat accccaacat   240

gtggtagacc tagaagaagt cttcagggaa ctccgcaaat atgacatgca cctcaaccct   300

aaaaaatgta ctttcggggt tggcggaggc aagttcctca acttcatgat cacacaccga   360

gggattgaag ccaaacctga caaatgcact gtcatactgg agatgcgcaa cccagccaac   420

a                                                                   421
```

<210>   8761
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8761

```
gggtcttcat cgtccganaa ggttattnta gtcatttata tttttaatt gattcaaaat     60

aatgttttca tctatctaat gttgacgttg ttaatagata agataccaat gtctaagaat   120

ctaaacaaaa tgtaagtttc tttctgcttc ttcctcctcc tactcctagt tccttcatgg   180

actaatatga gtctcatcaa taatgagata actctcattc aaccaatctt ctttctcttt   240

ctcctacatc tatcacacaa ttctntaata aatatacaaa ctcccatgtg attttttagt   300

tctaaagagg tagaagaaca ggatggngat tgggagaaat gagatataaa tattatgatg   360

gttgttacaa gcttatatt                                                379
```

<210>   8762
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8762

```
agcttatttg ttattgtcag gcggaatttg aaatcccaga ggcttctgac agtagcacga    60

anagaagttt cttcagactg ttggcaagag atggaagcag tttaaatcag acctcaagag   120

gaaatgggcc cttgcagtcg atcgggatgg tgtggacgac actatctgtg agaaatatgg   180

cataagcaag gaaaaatggg ctcagttttg ccagactcgc agagacccctt cttgggaagt   240
```

atgttccttg ccatttaagt tgtttttcaa aaaacattaa cttgttatac ttcattctag   300

caatttgaaa gattattgtt ttatttttgc aggatgtgtg caaaaaggca caggccatcc   360

agaaacagaa cactgcccct cacgttntgt cttgtggngg ttatgaatat ttggagcaga   420

agttcctggt tgagaagacc atg   443

<210>   8763
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8763

tcactatngg cataagaatt acacattaat aagaccactt ggaatgatgg acccatctat   60

aaatgataaa caaaanaatg acatgactca ggatgtggga ttacatcctt taatatacaa   120

ccatgcaaat ttcctattgg cctttggcag cagctagctg tttcattagg ttaagcactt   180

ctaatacttt tgaagccaac tgatctttat acttcttatt cgttaacact gattcatcaa   240

ttgcttcctt gtatctacaa cggaaagaat ccagctttgc ttgtgttcca cggagtctca   300

ttctgagctt agccatctct ttgttgtttt ttaggccacc ctgtcaaaat taaggtaaaa   360

acagtttact atgatgactc caagttgagc acagaactca gcatgaggtg gaccaataac   420

tggtaagcca aacacgtaca atctgaataa cagacatgc   459

<210>   8764
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8764

agcttatgat aaacttgaga aggtttgaac ctcatattag ttgtggatga tcttcatatt   60

ctattgtaga aagcaattta tttttggcct catgtctgtt cagtatcttt gaaattttcc   120

tgttagcata attactttaa ttttctcatt agtaaatgat agatttataa gccaagatta   180

tcatttcaaa tatagaatag ataattnttc tttattgttc tcatggcaat tcttacacta   240

ttaaaaaata tactttcaac atcaatttta aaaccgatgt tgaaagtacc aatgttaaat   300

gtaatattgt taacatcggt tttgaaaaac cgatgttaac ataaaaattc taacatcggt   360

```
tttcaaaata aacgatgtta tatacaaaga actacaacaa aataagtgta tgcataatga    420

atattgacat cg                                                         432


<210>      8765
<211>      388
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8765

tacctgcatt tatttatata aatntattta tgttagatta tgcatagtgg ttttagaacc     60

ttgccattta tttaatgtat gtacaacaca ggacagagac cctgaataat tntggtggtt    120

ccttactcct tagttttatt agttagttnt attgctaatt gtctctctgc tttggttntg    180

gctgtatctt cttttcttgg ttgatacctt attcagatcc cattaacact tcactttctc    240

tcgtggaaaa antatttggc aaacaaaaaa acatttataa aaaagtatga actatgtaga    300

ttagcatctt tccaatttca catctcatgt taaaaaattc agcttttttc tcagtcttga    360

ctttcgaaag tgtacctttc caatatgt                                       388


<210>      8766
<211>      115
<212>      DNA
<213>      Glycine max

<400>      8766

agcgttggtt attctcttgt gctacaaaca tattttgccg ttttggcggc aataactggc     60

cactgagcga ggatgtcatc acggtcctat cacaggcgac gtacgagctc ggcgt         115


<210>      8767
<211>      216
<212>      DNA
<213>      Glycine max

<400>      8767

gagggagagg atacgcatct gtgcggatat tacaccggat aagtgcactc tcagtcaatg     60

tgcttgatgc ccatctggag cgatctcgtc cccgctgcac cgtgggcgac actagattct    120

gctttggatc tctgcagcac cgattgaggt actctctgtg tccatgtaat tttctaacgc    180

cacaatttat atacgtatcg tcaccaaggt cggtgt                              216
```

<210> 8768
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8768

```
agcttattgt aatggattac acaatntaga taatacaatg attgatattt aaagagtctc   60

tgctttaatc gattatcaag agatatatcg attacttctc tcttaaataa tgtttcagaa  120

gtgatcaaga acactttaat cgattacatt gttcttgaaa gttttccagt ttttgggaga  180

aacactttaa tctattgaaa tgataattaa tcgattactt ctttgaaata atcgattaca  240

ttntatattt aataaattac aggagtttat aaccgttttc tctataaatt gtccccttgc  300

gttcttactt ctaacaactt ttgaatgagc tagaattatg agctcatatt agtaaaacaa  360

agaacgaaag aaaaagtgct ttgatacagt gtgcctcaca acttctaatc tttgattata  420

aagatcatat t                                                        431
```

<210> 8769
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8769

```
ggtgtagcac tacccactgc agaagctgaa tatattgcag ctgcaagttg ttgtgctcaa   60

agtctctgat gaaatcctat cccccaaggg cataggatag aagactccaa gaagattggg  120

ccagagatgc aagagaaggc cctaggattc tcattagcct tatggtagat tntgggccca  180

tgggctaagt atgagaccac ttatctttgt acatattaca ttaatgtttc attatttttg  240

gcctttgtat ttaggactcc ataatgtagg tagggtaccc tagaaatgtt ggacttttca  300

gcccttgtat tttatggcac ctagactagt tntttgtatt aagggtagtt ntgtaatttc  360

attcgcatta agtgaatatt tgatgtgtgt gttgngaaat aaatttaatc gaattgggag  420

aagcctaatc caattaaatt ntagaggggg aggtgagcat tngcttgcta cacnccattg  480

ccacatcata tagtcaca                                                 498
```

<210> 8770
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8770

agcttcatac cctgatatta ttcataaaaa gcttatcaag ataaagtatg gaggggtcaa   60

accaattata tcaacaaaat aacactcgac agaatctata agaaggtaaa cctaatttat   120

tatgaagaaa atcctctgta atgaaattag gtaaactatg ccagcatttg aatccaacat   180

ttgtaactcc aaaagatgcc aaaaaacgca tacggctgat aacatgaaaa caactaaatc   240

aacattaatt nttagataaa tggttatttt tgtccctaaa tatgtacata gagagtgctc   300

acaaattagt cttcctaaaa atttaaattt tagttcctgg aaggaaaaaa agtacaacaa   360

atttatccct tcgttaattt tcgtttgtta ccattaacga aaaagaacat acatgttaga   420

ttcatggacg aatntgtcag tactttgaaa tgaaaatgac ta   462

<210> 8771
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8771

tcatgatgat gaaccaagca atgttgatga tgccaaaagc cctagtgatt gattcaagaa   60

tgattcaaga cttcaagatc aagcatcaag aatccaatcc aagattaaag attcaagaga   120

agaaatcaag aagcaacaag tcaagacttc atataggata agtattaaaa tattnttttc   180

aaaaaccaaa tggcacagtt ttgtttttaca aaaagaattt tctcatattt tctaagttac   240

gagagtgatt actctctggt aatcgattac tagttatcag taatcgatta ccagtgacca   300

gtttggtttt caaaatgttt tcaaatggtt tgcaatgttc gaaaatgatt ntcaaatagt   360

gtaatcgatt acactatatt agtaatcgat tacaagtgaa tctgaacgtt ggaattcaga   420

tccaatcgtg aagagtcaca actgttcata acatgcactg gtgtaatcga tacacctttg   480

tggaatcgat accaatgaat ag   502

<210> 8772
<211> 380

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8772

agcttgtgga gtataagaag tcacagaatt gtgttaggtt ggaaggtaac cgttttgtgt   60

tccctggagg tggcacttcg tttcccgaag gagtcgatgc ttatgttaat gctctaaaac   120

gtcttcttcc cgtgcctta taatctgggg atgtcaaaac aatgcttgat gttggatgtg   180

gggtgagtca ncttctatat cttattatgc tttctccttc cttggattct ctttctttat   240

tttctttcgt cctctcttaa ttgttcgccc tgttatcatt tcattcgcct tcttttagct   300

tgtacttta catgttacta caagaggagt ttcttgagca acanagacag agaggctttt   360

                                                                    380
caatcaaatg agagcttatg

<210>   8773
<211>   281
<212>   DNA
<213>   Glycine max

<400>   8773

tgtcaggttt agcaatcgat cttgtttgtg tgtctataag gataggatca aatatatata   60

tatattaaga gagagagaga gagacaggag ggatcaagtt actccaagag taactcttgt   120

actatatatt tataaatgtt caatctattt aaaactttac atgcatcaag ataatatcac   180

ataacaaatt cgaattatat aataagttat taaggggagt aagtttgcaa gacttaactc   240

                                                                    281
tatggtgagt gaatttccca tatgtgtatg tcatcctaaa c

<210>   8774
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8774

agcttgtagc cattataaga ggatgatcat gttattggaa gtatgactga taatgttagt   60

aagtttgtca tattgattgt gaaggaatgg attgaccgta tcccggttag agtgtgatcg   120

ttaaatttta agagaaacga ctattattta ttactgattt ttgcatgaat ctctgaagta   180

tgaattgaat gcatgaaatt gaggatgatg aatgccatgt ttgattgtga tagccactta   240

nccaaaaagt tgaccacatg cttgaatgat ttatcctttg cacccagttt gagctgaatg   300

aattattgat tgattgaacc ctgtgcctat acaatgttat ctcctgctac cttgacgtan   360

gttgtaggag agcatcatca caggaagcgt ggttcagagc aaatctgtcc caaattcgcg   420

ggagtaatta tcaaggtaaa tttattcc   448

<210>   8775
<211>   339
<212>   DNA
<213>   Glycine max

<400>   8775

gagctcacgt actcccacgt agcccttata ctcgtttctc taacaccggg tcccatcaat   60

cctgccaagc ttccacaaca ttcaagtaat tcaacattct atcatcacaa actaacacag   120

ccaagaaaat agggcagagg cagaaaactc ttgcccaaac acaaaccaat atcacagctt   180

ttcacattca aaaaccccag taacattctc tctgttccaa ttctttaacc ggtggatcga   240

ctcgaacata ttactgggag tctctagtac ataagtctac attatgaccg ctgggatctg   300

ctagaaacgt ctagagcata atctgtacta ctcttttca   339

<210>   8776
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8776

agcttgtgaa caaggaagac atagatgatg tgataagaga ggtgcaaatc atgaaccatc   60

tctcgggtca atctaacatc gtggaactta agggtgccta tgaggataaa caatcggtgc   120

atttggtcat ggaactttgt gcgggtggtg aacttttttga tcgtatcatt gctaagggac   180

attacactga acgcgccgcg gcttcattgc tgagaaccat aatgcaaatt attcacactt   240

tccattccat gggtgtcatt catagagatc ttaagcctga gaattcctc atgttgaata   300

aggatgaaaa ttcacccgtc aaggtcacag attttggtct atccgtcttt ttcaaagaag   360

gtttcccctta attctatttc atatattctc tattattntt tctctcttcc acatcttttt   420

tttttcaat   430

<210>   8777
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8777

tgctngagaa gcttctatgg aggttggatc tttgagcttc aatgatgtcc ttcaacggng   60

attntctacc atggagatgc agcggaagat aaaggagaag aggtgagagg aggcaccacc   120

cactagggaa taagccatgg aagaaagagc ttcaccacca agagagtgtc ttggataaga   180

agcttagaga ggaagcttca attgagaaaa agagagagag agaggggag gggagcacgc   240

aattgaagga ggaaaagagg gagagacatt gaactttgaa gtgtgtctca taagactctc   300

attcatcaca gttacaacaa gtgttacaca tgcttctatt tatagcctag gtagcttcct   360

tgagaaactt ccttgagaag tttccttgag aagcttcctt gagaagtttc cttgagaagc   420

tagagcttag ctacacacan tcctcttata actaagttca cctc   464

<210>   8778
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8778

agcttgttat aaatataacc aattatcggt ccccttagag acttagagaa gatatctgcc   60

aacttatcat tggagaaatt gcggtacatt tgtttcatat tgaggttacg agaattttga   120

ttgacaatat cctttatgac ttttgcataa tgttctattc tagtttggcc tataaatcct   180

tgagcttgac ttgattttat tcattctttc ttccatagac tactttcagg ttcttatctc   240

ttcatttttt atttggagtt tctctcattc tctatcaatg atgtgagcgt gtattgatat   300

ctttttctat cttattgatt gatattttat tggacgttta tgcttatcat tttctacatc   360

tacaacttca tatttcatca ataaaataag tgttttaatg catgatgcan attccaaatc   420

acagtgtgct gtattctaac attntaatat at   452

<210>   8779
<211>   389
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   8779

tgcgtagccc accatctctt catagtagag tatcgataat gtgtctacca tcacgatcat   60

cgtctccctt tccatcattg ngggtaccac ctgngccgcc agatccctcc accttttggg   120

cgtgttcttt gaaagatccg tccccctttg tgcaaatgtt ctgtagttgc atcctatccg   180

gaaccatatc aaaattgtac tgatactgcc taacaaaggc aaccattacg tccttccaag   240

aatggactcg ggaagattcc aagttagtgt accaggtaac agctacccca gtaagacttt   300

cttggaagga atgtatcagc aattcctcat cttttgcgta tttccgcatc ttctgacaat   360

atatctttag atgggtcttg agacaagta   389

<210>   8780
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8780

agcttgccaa gaaatatcat gttcttctag cttctgaagc agtcatcaag caaattcctc   60

gtcttttggg gcctggttta aataaggcag gcaagatgat tgccttgcta tttgctcttg   120

attggttctg cgtaaaatat gtgagttctc aaaccaaata atgtcaataa gagaaatacc   180

gcagaagcta taaactgtag cttctgttgt gacacacgcc cgattgggta aaacaatcaa   240

atagaacagt ttcagtgttt cctgtttgtg ttcttagctt ggttccagaa ctttccttca   300

cttatcttga agaaacggtg tttcttttgg cttctttgag tgtcttttat gatatgcatt   360

gtgatttacg gagaacttat tgatcacatt ctctgtattt atatccctgc aactntgtca   420

agagtagacg aatattgcac tgatgataat ac   452

<210>   8781
<211>   348
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8781

tcttaaattg tggttaatgt ttcaacttac acatccaatt tctagagcac atgtcatacg   60

```
ataactggtg cgttgaattc tctcatgcat aatcgtaaaa attggataaa tcagtcgatt    120

atattgagaa ctaatgactt aatacacttc aataattgga tcagttaaac aagtaaccca    180

tattaacttg atagattnta ataagattta taacttggtc gattctgaca acccgagtta    240

cgttgaacac gttacctttc taaatacaaa aaataacgga atgaattcat tntgagattg    300

aggcagaaca atcaaactaa gtaaaatgtg cgtatattac cctaccct                 348
```

```
<210>      8782
<211>      407
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8782
```

```
agctngctaa cccatggaag ctcctataat ctcccacact ntntagggtg ggccattctt     60

ggatggcctt gattttctca aggtccactt ggaccccatt tctaccaact acaaatccta    120

agaaaactat attatctaca caagaggtac acttctctat atttgcatag agggtgtttt    180

tcctaaggac tgaaagaact tgcctgagat gtcctaagtg atcatctagg ctcctactgt    240

acactaaaat atcatcaaaa taaacaacta caaatctacc taggaaatcc cttaagacat    300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc    360

attcatacaa accaaacttg gtcctgaaaa gcggtntcca ctcatca                  407
```

```
<210>      8783
<211>      364
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8783
```

```
tcatggtgaa tcaaaggtgt nttgatgata acaatgatga tatcttaaga tgatgacaaa     60

ggtgatgaca aanagctcac agatcaatca agaacaact cacgagaatc aagaacaatt     120

caagggttca agataagaat caagaagaat tcaagactca agaagaaagt ttagagtcac    180

gaatcaagat tcaaggttca agatctcaag aatcacgatc aagattaaag actcaagatt    240

caagaatcaa gagaaggctt aatcaagata agtatganaa gtttttctca caaattgagt    300

agcacatgat ttttctcata acatgtttac cagagagttt ttactctctg gtaatctgat    360
```

acca

<210>   8784
<211>   343
<212>   DNA
<213>   Glycine max

<400>   8784

agcttctgtt gttcaatttt gagcgtctcg atatactata agcctgaatt ggacatccgt   60

gtgaaaagtt atgaccattt gaatttctgc agagcttccg ttgatcaatt ttgagcatct   120

cgatatatta taagcctgaa tcggacctta ttgtgaaaag ctatgaccat ttgaatttct   180

caacaacttc cgctgttgat tttcgagcgt gtctatatga gaatcgcctg aatcagacat   240

ccgaggtaaa agttatgacc atataaattt ctcaagagct tccgctgttc aattacaagc   300

gtgtcgatat gcgatgcgta tgaattggag atccgtgctg aaa   343

<210>   8785
<211>   559
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8785

ggaaccctaa tttgagatct ctgcgagctn cngagactat ataatactcn cgctagcctg   60

atagacgtgc agtaaagaca acgcggacga atgatctcct ttcgacccgg agtacgacag   120

tctccgcttt atgagcgacg tcaccaacat cgcttccaat gcatcaacgg atggtcgatt   180

atcctggagc cacgcgtaca tctcagggac taccagtgta ctgatttcca cgacgatata   240

tggcgccagc cgtggtcacc actgcgtact cccatggccg agcatgatcc ataaatagga   300

cctgagtttt atgccaatgc ttcggcaaca gatgagggcg tgcgtgacat gacatcctgg   360

gttaagggtc agagcatccc gatctatgcc gacgctattg ggcagcttct gagatatccg   420

ttggtgttat aagacggcca cgagcgctag tatggacaga tgaggaacct gtcttatggc   480

gtcaactaag agggcatcat ccagatggta tgtataccag ngcacgatta tgcccgactg   540

ctgcagaaac ngatcattn   559

<210>   8786

<211>   121
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8786

agctntgttc tttcataaaa tgagaagttc tgaacttatc acgttatcta aaaaaccttg   60

gggtggatcc aagagctcca atcattcatt tgcatattca tgttttggtg gcatactcac   120

c   121

<210>   8787
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8787

tgatggtgtc gagaagaaat cacatgtatg tcatcatcaa tatagtggag aatgtgaatg   60

tatgtataca tgatnttgat gatgtcaaag aagaatctaa caaggctgct tcaaatgata   120

agcatttgct tcaagaataa ttcaagattg cttcaacaaa caaagccttg tttcaagatt   180

cactaaagac caagccttgc cttanaacaa agtgcttca agacatgcaa ggctctggta   240

atcgattacc aggaagtgta atcgattact agaagacagg gttgagaaat agctgttgaa   300

aaatgttttg aatttgaatt ttcaacatgt aatcgattac catatgtctg taatcgatta   360

ccagcaacgg aactttggaa attcanattc aagtcataac ccttcagata taactgtgta   420

atcgata   427

<210>   8788
<211>   471
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8788

accgggatcc ttaagtcacc tgcggctgca gcttgcttca caaatntccc ttatttttga   60

tccttggaac cctttaaaaa acctctagga ttcctatttta taggaaaagg gtcactttgg   120

ggcaattgta gttcacccaa gcgagctaga gctcgcctag gcgagctgaa acttagtgct   180

gaagcaatga gctcacccag gcgagttggt ttcttcacca tgaagttatt tagtggccca   240

```
agcaagccag aggctagcct gggtgagcta gggttcagga aaatcaagga aaagaccctt   300

ttgcctccct ttttttggta tttttcgcat tcttgatcaa aacactaaat gatcatatgt   360

ttcgcactgt aactctgttc aacatcgtaa gtcgactagc aaggatcaaa atatcaatga   420

acgatagtcc tcggacgaaa tagggtatga cagaaacaaa tcttagatat t            471


<210>      8789
<211>      355
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8789

cttcgattca ttctatgtgc ccgtagtggt ccacattgtg cttcgtgcat tctttctcgt    60

tttgtttact ttttataccc cctgttgacg tgcttaagcc attttactta agtcatttat   120

cgcttaactt aaaaataaaa taaatttcca ccgaacgttt gaattgtatt atccattaac   180

ttcggttaaa ataaattccg accgttcggt cgtgccgtaa ccacgttgga aatcaaaaag   240

aggtaaaaaa taatataata atcaaaaga catcttttag tanaataaag cgganaatca    300

atcggacgtt ttctctttgc gatttctcat tcttaatcga attgattaat aacta        355


<210>      8790
<211>      429
<212>      DNA
<213>      Glycine max

<400>      8790

agcttaagat ctgcggcaat tgaggaagtc gctgcatgtt tttatttttg tatgttcttc    60

ttggtttccc cctgggattc ctgtcctctg taattttctc attgcagtct ttaaaaaaga   120

aaggaacgta ggattgaggt tctggtcctc gctttgtgct ttaaaagatg tgtagtattt   180

gataaccgga gccttttcgc tcagtccatg ggatgcccca agcgcttaat tgaaactgaa   240

cccgacgagc tttcgctaaa aagattattc catttgaaaa cactcatgca tacgcataca   300

catgcatatt tgttatctta tgacaggaac tggatcgttt taggcaatag tcaaatactg   360

agccaaatcc aaagacagag acgaatcgag gtaagcggta acgcgaccac gatttgctgt   420

gcaatgtca                                                            429
```

3738

<210> 8791
<211> 419
<212> DNA
<213> Glycine max

<400> 8791

ccagaaacca tgggagttgg ctgagattta gaggacctac gtccttcaaa gaagacttgt   60

taagatgagc aataagagag gtgatttcaa aagaagaaga gttggtgaag attatatcat   120

caacatacac caacacatag gttttagagg taggtgtaaa tcacatgaaa agagaagtat   180

cactcttggc tgaattaaat cccaaggacc tcaaagtcaa actgagtttg tgaaaccaag   240

acctggaggc ctgtttcaag ccataaagag ctttgagcag tttgcatact ttgtgtttgt   300

cggatgaaac aaagcttggt ggttgagtca tatatacagt ttcttgaagg tctccatgca   360

aaaaggcatt gttgatatcc acttgatgaa taggccattg ttgagaaacc acaaaggac   419

<210> 8792
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8792

cttgaagaca agggttatga acctacacgc tagcatccaa attcttttgg aacaagcttt   60

ttgtatattt tttgtatagt tagaaaaatc tctcaaagca ccttaaatac cttgagagaa   120

aagactaagt acttagattg tacaatcgtt tgtaagacga ttaagattta gtcaatgtgc   180

aaacaaacta taaatatgtt gacttattta tagctagcag tggcttgata gaacaaagaa   240

tatgtcaagc ttggtgtaga gcttgagttg taaaagccaa aagtgataat gacttatact   300

tataacttgt tgaagttggt ggaacttggt ggttaaccaa aagctagtct caatggtaga   360

gatgactagt attttaatct gacttggggt ttgaatttga ttctgtctga naaactcttt   420

taattntgca aaatctattt ctatcgtcta aatctg   456

<210> 8793
<211> 364
<212> DNA
<213> Glycine max

<400> 8793

```
gatgaagacg acagggacca ccgagggggt tccaatgagc cgcatgaggg cgcgtttttag      60

gtccttgcct cttggatcct cgtccagctc gtgcacggtt gggttcacac ccatgccgca     120

gaagagcctc ttgatggcgt ggcacatgca gcacgtgctc acgctgaata tcaccaccgc     180

gctctccgac gccagcctct ctatgcgctc cagcgggtcc cccactaccg ccgccgccgc     240

gttccgaggg gccgccacgt agctccccca ccacgccgcc gccgctgctt ggtaatgcat     300

tctcagaaga attttatgtg atgaaagaat gacacgcaca atgtatgaaa atgagagtga     360

gaat                                                                  364


<210>      8794
<211>      408
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8794

agctntgagc aaattcaaac gacaataact ntttatctcg gatgtgtgat tgagtcccgt      60

catatatcga gacgctcgaa attgaatgct gaacctatga gccaattcaa acgacaataa     120

cttttttactc ggatgtctga ttgagtcccg caatatatcg agacgctcga aattgaatgt     180

tcgacctgtg agccaattca agcgacaata acttgttact cggatgtcgg attgagtcct     240

gtaatatatc gagacgctcg aaattgagtg tttagactgt gagctatttc atacgacaat     300

aactgtctac tcggatgtct gatagagtcc cgtaatatat agagacgctg gaaattgaat     360

gttgaaactc tgagccaatt catacgacaa taactttta ctcggatg                  408


<210>      8795
<211>      338
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8795

ntaacattca atttcgagcg tctcgatata ttacgggact caatcaagca tacgagatag      60

aagtcacttt cgtccgaatt agctctgagc ttcaacactc aatttctagc agtctcgata     120

tattacgaga ctcaatcaga catacgagta acacgttatt gccgtgtgaa ttggctctga     180

ggtttaccac tcaatttcga gcgtctcttt atattaccgg actcaatcac acatccgagt     240
```

3740

caaacgttat tggcgtctgc attggctcat aggttcgaca ttcaatttcg agcgcctcga   300

tatattacgg tactcagtca gacatccgag taaaaagt   338

<210>   8796
<211>   418
<212>   DNA
<213>   Glycine max

<400>   8796

acttgacctt ttcctcacac atgtgccata ctccccaaaa cttattttaa ataatatttg   60

aattttgtaa agagataggt aaaatatcta ttatttgagt tatgttaatt ttattgcttt   120

gtgtgttata ttttcacatg tttttttttt agcaaggagc tacatatata gaggtaacta   180

gtcaccaacg tgtagcaaca aaatacttgc .agcaatatca ttaagaaaca gaaaatagaa   240

atcgaacaaa cttcctatca ttaaatactt gtaacgttct gatcgaggcc atacccgaat   300

caaataaaca ttaaaaatgc agtatctagg aattgatctt aggtcatctc ccaacgagca   360

ttggtcaacc aaacgttcat tacagatagt aataaacaat aacgaattgg ggggggg   418

<210>   8797
<211>   417
<212>   DNA
<213>   Glycine max

<400>   8797

acaatggctg accggattag taattcgcct gacgtagtgc tctctcacat tctctcctta   60

gtcccaacca atgtagcagt tgcaacgagt gttctctcca agaggtggaa acttctatgg   120

cgctccgttt cgactctcaa cttcaaccac agccaccatg acgacaacaa ccacgaaacc   180

tgttccctct ttgctcagag ggtgcacgca ttcatcctca tgcacgacat ggaccaaccc   240

ttcacaagat tctgcctcag ttcttcttgc cctctcgatc ccattcatgt gaacgcatgg   300

atttccgctg caacgcaaca cagagtcgag cacctcgacc tctctctggg tgtgcggaag   360

aattgccctc ttcttgcttt cagctgcaaa acctcgtggg ttgaaactgt gatgttg   417

<210>   8798
<211>   302
<212>   DNA
<213>   Glycine max

3741

<400>   8798

agctatagct ggagtcatct ttatgattat caatatgtga ccatggcatg aatttcactc   60

acggattcct ggtctctgtg gggttcttat cgcttcctct atctaacaat agctcgtcta   120

agctgagctt atacttatag ctgcatcgac taaaagatgg ggctactctg attactcatt   180

cacttctccc tcttgcctga aaaatcgaaa gactaaccgc ctgagtgatc ttatgtatcc   240

cttcttcctc ttacaagaca attcgaagga ccttccgcct gagaatactc atgcttcttc   300

cc   302

<210>   8799
<211>   66
<212>   DNA
<213>   Glycine max

<400>   8799

atgagcaata tgagaggcga tttcattgga ttaggagttg gcgaagatta tgttatcagc   60

atacac   66

<210>   8800
<211>   324
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8800

agcttaanat ctagggcaat tgaggaagcc gctgtatgtt natattttg catgtacttc   60

ttgttttccc cctgcgattc ctgtcctctg taattttctc attgcagtct ttaaaaaaga   120

aaggaacgta ggattgaggt tctggtcctc gctttgtgct ttaaaagatg tgtagtatat   180

gataaccgga gcctttttcgc tcagtccatg ggatgcccca agcgcttaat tgaaactgaa   240

cccgactagc tttcgctaaa aagattattc catttgaaaa cactcatgca tacgcataca   300

catgcatatt tgttatctta tgac   324

<210>   8801
<211>   337
<212>   DNA
<213>   Glycine max

<400>   8801

ccacaaacca tgggagtcgg ctgagattta caggacctat gtccttcact taaaacttgt   60

taagatgagc aataagagag gtgatctcac aaacaccaag agttggtgaa cattatatca   120

tcaacataca ccaacacata ggttttacag gtacgtgtaa atcacatgaa aagagaagta   180

tcactcttgg ctgaattaaa tcccaaggac cttaaagtca aactgagttt gtgaaaccaa   240

gacctgcagg cctgtttcaa gccataaaga gctttgagca cgttgcatac tttgtgtctg   300

tccgatgaaa cacagcttgg tggttgagtc atatata   337

<210>   8802
<211>   395
<212>   DNA
<213>   • Glycine max

<223>   unsure at all n locations
<400>   8802

agcttatcct tatggctcgc ctccggactt cacccnccat gccacccatg gaagattaagc   60

caagccccga ctttcgaggg gcaactccca ccttatgatg actatcccag gcaagacgat   120

gaggaaggag atacccatct tggcccccctg ctccacctca aagatccgtc ccctatgaa   180

ctaccccaac cgaacatagt ccgccatatc ccggcttcac ccacacctac aaaagaatct   240

gttcccttcg cggaagataa ggagaagatg aaggcgcttg aagagaggtt aagagcagtg   300

gagggccttg gcaattaccc attctcggat ttggcggatt tatgtctcgt gcccaacatc   360

gtcatccctt ccaagttcaa agtaccagac tttga   395

<210>   8803
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8803

tgtagggttc accccagatt ccgttgtcat atgctaaact tgatcccata tctacttgat   60

aattcaatgg tagccataac cctagccaag gttcatcaac ctccatttct ccgagaatac   120

aactcgaaca caacgtgtgc ttgtcacgga gaagcccccg ngcgttccat tgagcattgt   180

agggctctga agtgtagtgt cgcaacctac ccttccgcgg gagggcgacg cgagactcgc   240

```
gggatgcgtg ttccacgaaa ggaatacgcg cggagtcgcc accaacgttt atttgaggaa   300

aacgtccgat aaactggaaa agacgcgatc tacgaactgt ttagtgaaag gttcgggagt   360

tgtatctacg cacggcgaac gtattagcac cccacacgcc cgtcccaggg gacggcagcc   420

tttaatcgaa tgtgcaaaca tgactttgat tttatgt                            457


<210>      8804
<211>      324
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8804

agcttgtaat cgattacaca tataatgtaa tctattgcca gagcagattt tcagaaaata    60

ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat   120

gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaagtctt atcctcttat   180

aaagaaaaat tgttttatcc tcttacaaat tccttggcca aattacttgt gattcaataa   240

ggaatttttg agtgctcaaa tngttcaatn tatctctttc aagagagatt tcttctttc    300

ttcttcttca ttctgaaaag ggat                                          324


<210>      8805
<211>      454
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8805

tgtcgaatta tggcgtaccc atcacatgtg gtactaggtg gcggtcgggc gatggtgcaa    60

aacgattctc cacatccaca aatcacgtat aacccaccat cccctgttgc ccacctccaa   120

ctgagctcac gtactcccac gtagccctta tcctcgttcc tctcaacgcc gggtccccat   180

caatcctccc aagcttccac aacatccagg taattccaca tccaatcatc atggaccaac   240

aaaaccaagc aaaatagggc aaaggcagaa actctgccca aaacacaact canaatcata   300

gcttttcaca tacaaatacc ccagtaacat tttcttcgtt ccaattcgtt aaccgttgga   360

tcgactcgaa natttactg gaagtatcta gtacataagt ctacatnttg accgttggga   420

tctgctagaa aatgtccaga aacccatatg tact                               454
```

<210>   8806
<211>   300
<212>   DNA
<213>   Glycine max

<400>   8806

agcttctggc ctatctccct cactcactca ctgtctgtcg aaggtatctc ccacgccgtg   60

ccgccatcct gtacagccat cggcatataa gtaagaaccc tactttattt tgttagtgtt   120

aatttcaaca tcgggattct tttattttgt tgctgttctg tagaattgaa tatcagttgg   180

tgttgttgtt ctgtagaact gaatatcagt tgtattttgt tgttttcgta ttttaaaaga   240

caaaccatgt aagatatatc ctatatggtc acccttattt ttatgggctt agatttaaag   300

<210>   8807
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8807

tctatcacca ttaanacaac aacaacaaca acaacaacgc cttatcccac tacgtggggt   60

cggctacatg gatcaacttc cgccataatg ttctatcaag taccatactt ctatcttttg   120

acactgtact cgagccatac agcgcgttgc ttccgggcaa cgacctagca ttcacattat   180

tacgtaattg atccatgtca tagagattcg acaaagttta acgttggctg tcgaaagcct   240

aacacaaccc tctcctttta tccgggcttg ggaccggtta agaatagcaa agctacccta   300

cgcaggattt ctatcaccat taaaacaagt aaaaaaaaat aaaaataggt agaactattt   360

ggaatcaata gaaagttggg gcaaaaggct tatgacatag aggtaaatgc atagaactat   420

tattatggaa gtcaacac   438

<210>   8808
<211>   354
<212>   DNA
<213>   Glycine max

<400>   8808

ataccctcaa tctaaccgac ctgcaattgt tggaggaaat ttactacggg cagcgctcca   60

cgtatgcaag taatcaattg acgcttcatt gtaggcgact gaaagatgat gctaatgtta   120

```
acacactgtt cttgtcacat catcgaatcc cgtttgttgc cctgattgac ttattatata  180

acatcgatag aaccccagat ggtcaggtaa acttacttgc gactactatg acccctactc  240

atgatgccct gctatattac aatgagatgt ggaacatgtc gcgccttttt gtatttagtg  300

gctactcaat cacatgtttt ttctccaatt atctttgaca ttcccggcgg atgt          354
```

```
<210>      8809
<211>      257
<212>      DNA
<213>      Glycine max

<400>      8809
```

```
agcttggaga aaagaactag aacatgcaag atatgcgtac actacgacta taactgaact   60

agattcttcc aagcaagaac tcaccaaaat aaggcaggat tttgatgcag ctttggaggc  120

aaagctggca gcacttcaag cagcaggaga ggctcagcgt tcagtcaaat taaactcgga  180

aagaatcagt gaactcttca atgaaatcgc aaccatgaaa gcatcaattg aacaagtgag  240

acttgcctct gaacaat                                                  257
```

```
<210>      8810
<211>      399
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8810
```

```
tctccatctc tacaganaca aacgtaactt catcattcaa ctctgccatt ctgagctgat   60

ttagagtcct tttggcatag acagtgaatg caatagaggt aactattgcc ataatgaaag  120

aaataatgtt gtatacgata tccacaggag tcaagcggtg cttcccatac tgtgcgtctg  180

ccaatgtctc tattaaccga ccactgagag atggagaaaa agataaatct caagatgaga  240

tgttagttta tttaacagaa gtaaaaagat aacacgttct aagctgatcc acatctatat  300

gactatatcc atcagaagtc atatatgctt ctcaacttct caattctcat tttcatacat  360

gtggagctaa caaaaactcg ggtacggtag ggaactcat                          399
```

```
<210>      8811
<211>      445
<212>      DNA
```

<213>   Glycine max

<400>   8811

catgcaagct tccactccag ttcccattcg agtacctaat gggtgtgatt gtcatacgtt   60

aaaaacctta atacacaata cccttaagct aaccgacaag caatttttgg atgaaattta   120

ctaccggcag cctttcacgt atgcaggtaa tcaatttcgg tttcaatgta tgcaactgag   180

agatgatgct gatgttaaca caatgttaat gtgtaatcat gaattttcgt ttgttggtct   240

gattgagtta ttatgtagca ttgctagaac cccagatggt attttaaact tacttgcaac   300

tactatgacc cctactcatg atgccctgct atattacaat gggaggtgga acatgtcacg   360

ccaaaatgag tttgtcggtt actggtccac aggataaaat cccaataact ttgacattcc   420

caccggatgt accatggatg aactg   445

<210>   8812
<211>   304
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8812

caacaactta tgaaatactg tcctactgaa ttggatatat actctgngat tcctaaaaga   60

acaataaaaa ctccaacttc ctctactgat atagaaaaca ctgatgcaac caaatcttct   120

accactaagc atgatctttc tgataaagat attctatgtt atggacgaaa acacaatgta   180

ttatgctcta ttaaaactgt tcntatcata ttattacatt tctttaaatt ttaaattagc   240

gggagattgt tggaaaatat attcttataa ttcaaaatta aaatatatct ttttataaat   300

tatg   304

<210>   8813
<211>   466
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8813

agctgtgatn taattntctt tcgtaaattc cttgaactat tntagattaa gccaaataaa   60

atgaaaaaaa aaaattattc aacttaaata ttcatcttat atttctcatt ttgttctttt   120

cttgtcgcat cattatagga ttgcttgaca tttttctctt tccctatttc catacatcct   180

ggctttgagg aagagtttta aggttaaaat ataatttgcg tccttataaa tataaaaata   240

tttaaaattt atttttgtaa aatttttaat atattttctt ccttacaaaa ttataatata   300

tatcattttt taatttgtac gtaggtttaa tttagataaa tccatattta caatgatcac   360

tttttatatt aattatatgt atataatgaa tataacaaaa ctaaatacct aagtttggat   420

tgaaacgaaa aataatgcat tgtatcttat gaaaatgaaa aatata   466

<210>   8814
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8814

actanatgac ccttcttgta ccaccaagtt tccaactcaa tcacttttaa agtcctcttg   60

actgagtaca aagtgacttg cagcagtttg gtgagtaatt aagcactcct ctacatgtca   120

aattttaaaa tcatatacat atctaatatg aatttcatat taatttcagg atgtgtcgag   180

taccatgtac tcatttatga aagctataag attcatacat ctgaaattgg aaaggactac   240

aaagtgtaag atagtttata attatcatag gaagactgca aaaattagaa atggatgaaa   300

taattttgca caatcacaga attntcttct tgcaactcaa attatagctg agtttccata   360

tgcaac   366

<210>   8815
<211>   489
<212>   DNA
<213>   Glycine max

<400>   8815

agtcgacctg ctgcatgcaa gccttgaaca atatacttgt ccttcattta actgtctttg   60

ggcttggcga ccatgctcaa caaagtactt tcgacaccta ctgtacgttg atttcaccaa   120

tgttgttatg ggaatgttgc gacaatcctt aaaacctta ttgatacatt ctgagaggtt   180

ggttgtcatg tggccatatc gacgtccttc tctatcataa gtcatcgtcc atttttcctt   240

tgaaatgcga tcaatccatg ttgctatggc tggactcagt tgacgaaatt tttctaaatt   300

ttgatcaaaa atgtgcttgc aatgagtgta ggctgcataa aactagttat gaataacaat   360

```
tttaagtata tatgaaagtt aaataaacgt gaccatcaat ttattatatc ttacccaatt    420

tcttcaacat ttcttttgt ttgacattat tgaattttcg attgaagttg cttgctatgt     480

gtcgcacac                                                            489


<210>    8816
<211>    404
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    8816

ccgcgtntgg gagaaagaaa aggtaaggtt tactgaataa tttgataccc ctcttgtctc     60

gtaactaacg atggcagcgt tccgatggaa gagctttgag gagaacgagg atcaccctga    120

actgttcttt cactttcttt gaagttaatg ctggaaaaag tctatttgta tcatttggaa    180

agaagtaagc ttaagctgcc tacgatatta tttttaatgt tgtgaagatt ttcttgggta    240

ttgcatgagt gcctcatcca cgaatgtaaa attatttgtc tggctgaagt ccttaacaat    300

tatttgttgt ttgtagtaag ttcatcacat acttacacta agacatttat cgcgattgat    360

ggagctggaa agcgattacc tgatgaagtg agtcccgaga catg                     404


<210>    8817
<211>    469
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    8817

agctnggttc gaatgacttt ntaatgaaaa attgttatca accgaactaa tattttatgg     60

tttggtttgg ttcgattttt gtaattttta caaaatatta tttcactaaa atttataatt    120

ttttttaata ttttgaatca aattacatta aaaaaattgt taataacaat ctatgaaact    180

tattaatatg ttaaacattc taaaataaaa attttcaaaa atctcatcta tttctaacat    240

atcttaaaaa aatcatatga aaaaagtaa tatgcattat ataagtctta tatacatgac     300

aataaaaaac attgtgaaac tcaagtgata catgcataaa atacataaca ctaaagtaat    360

ataagtatta gtacaagtat tatggtttga tttgcgttca aaaacatata ccgcaaatcg    420

aactgaacca atcattttga gaaaaacatt caaacaattc aaaaaaagt                469
```

<210> 8818
<211> 477
<212> DNA
<213> Glycine max

<400> 8818

gcttcggccg cccgcgttgg tcaatttaca ggcgcacatc actaatctta acagactctg   60

atcgaaatgc cccgacatat ataaaatgca aaatcggatg taacattgtt tactctcaac   120

caattcaagt tcgaaactta gtcacccttc aatatatgca tggagactcc tcccagcaat   180

ctagatcaca aggcaattaa tattttgttt acttgaatcg ataccaatta ctattattta   240

cagaattaat catatgagta tgcatttta attttgaaa cacgaaatgg aattggtgag   300

caaccgttgc gtggatctgc atggtaggat tgctgacaag cgaacaacag gaggatggaa   360

agcgtcgcac tttatcatag gtactgttat gacattggat agacaatata ttatgcgttc   420

aatggtcaaa ttcttactga tgacaagagt tatagcttag taagtgtaac acatgat   477

<210> 8819
<211> 385
<212> DNA
<213> Glycine max

<400> 8819

agcttcaagg ctaagtcttc atgtcgctcc ccctatctct aatagtaacc tttggaaaga   60

agccaacaac tagaatgatt gttgtcaggt tcattgtagt aaagttctca ttgtcctata   120

aagccatatt ggcataccat ctttgaacac attgaaggca ttaatttcaa tggtccactt   180

gaccatgaag ttcctcagtg atgatataca ggtcgaaact ttgaaaggag actaaaagaa   240

agctcaggaa ttttacaaag aatctataga gtagaagaca tttgatagtt tttttttcaa   300

agcatagaaa caaaggacgt cgagtcctaa gaagcacaaa gacaaggaca ttgagtccta   360

taaggacggg gacactgagt cctat   385

<210> 8820
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400>   8820

ctcaagctct agcttcttta ggaatcttct taaggaagct tctcaaggag gtgagcttag   60

ttatgagagg ggtgtgtgta gctaagctct agcttctcaa ggaagttttc tcacagaagc   120

ttctcaagga agttttctca agaaagcttc tcaaggaagc tacctagtct ataaatagaa   180

gcatgtgtaa cacttgttgt aactctgatg aatgaaagtc ttatgagaca cacttcaaag   240

ttctacttct cccctcttt tattccttca atttcgtgct cccccctctc tctttctctc   300

cctctntctt ttcctccatt gaagcatcct tccaagcttc ttatccaacg ctcatcttgg   360

tggtgaagct ccttcttcca tggcttattc cctagtggat ggcgcctccc t   411

<210>   8821
<211>   420
<212>   DNA
<213>   Glycine max

<400>   8821

ctcgaccggg atccttaagt cacctgcggc atgcaagctt tataagcgcg ggtttgggag   60

acgaaggtca agtggtcgcg atatacgaag atgatgttcc gagtacattg gatttggtac   120

gaccatgccc tcctgatttc cagctgggaa attggcgagt ggaggaacgc cccggcattt   180

acgcaacgag cataatgtaa acctttacgg gtttaaaagc tctatagttg ggcctaggct   240

ttagagcttt tccttttgat aaggctttga gtcttttgtt tgtgaattca taatacaagg   300

atctttcttc atctgttcct acgtctctac ccattctcat tcatttgcat gtttacttct   360

ttatttctga aacggcagat ccgatgacga gtcccccgaa ggtactaata cctgggaccc   420

<210>   8822
<211>   289
<212>   DNA
<213>   Glycine max

<400>   8822

tgaaggtgtg tagaacactg gtcacgtgtc tactatcatt gtgataatct ctttctctat   60

tattggaggc gctacttgag ctaccaagat tctccatctt tgggcgtatt cattgaaaga   120

tccgtgcccc cctttatgca catgttctgt agttgcatcc tatccgatgg gcctcttctt   180

caatggccat gggcctttcc tttagatgat ccaccttatc catttccgcc atagcatgag   240

ggtttttaat cgttgtggaa tgcaaagggt gtggttgtgg gtgatactg   289

<210>   8823
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8823

agcttgcgca tcattggaag ctatatgttg cttatgtctt cgttgggcct acagaatgta   60

acttttgaac ttgatgcaaa gttatagtgg acaagataaa gagcaatgtc acactcataa   120

cccacctcat tcatagctca ctattagaaa agtaggattc tacatcggtt ctttaagaga   180

aattaactac atcggtttac gaccgtcggg tagtctattc tacaacagtt gacaaggacc   240

gtcttagaat ggtcaacatt ctacatcgat cgttgaagga ctgtcgtaaa atactcagca   300

agctgagcgt gaccatctta gaatgtcttg acattctaca tcggtcttgt caaaaccaat   360

gtagaaatgc taattttgtt ttattttttg taattggagc tacttttntt ttgtattt   418

<210>   8824
<211>   306
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8824

ctntaaaatg tcatgtatgg ctctgctaaa taaactctat attataagct actggaaaag   60

tataaggcag cagcatcttt ggatacaaca caaggacgaa gcatagctcc tgcttctaca   120

gctgatacta taagttaaac acaactttgt tcaaagcaga ggaggtatgt gctacgtgtg   180

aaccatatca tggctgcata agaggcataa cttctagcat gtccaactac acatgtcatt   240

ctgatttatt gatgcatagn tcctcagacc acttttacc ctcttttctc tttttggca   300

ctgtga   306

<210>   8825
<211>   401
<212>   DNA
<213>   Glycine max

<400>   8825

agcttccttc tacacctgat aaagaggatg agatagtcac tgatcgaggc cgtacccaaa   60

tcaaataaac attaaaatgc agtaactagg aagtgatcct aggtcatttc ccaacgagca   120

atgactaacc aaatgttcat aatatgcttc gttataacag taatagtaac gattgggggg   180

gttgttttgt gaatttaaga acaagcagat tggaatacga aattaatagt attaaaaaaa   240

tgttgtttcc tctgattcag aagccattct cgtgtcctag gttatgaaga atccgtctat   300

aacagttaac cacttaatcc aaccctattt taatttacta aacgaaaatc aatttaaggt   360

tgtcaatatg tgattaagca acacatacac caatttaccc t   401

<210>   8826
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8826

cggttntggg aaatagcacc ccacctgacg tccacaaggt cttctgaccc ccgcgacata   60

tctccaggta ccactccgtg gtcaacgaat aaaagcagga agtttcatcc ttctacactt   120

cctcatctca agcttgtagg attatggggt atccatcaca tgtggtacta agtggcggtc   180

gggcgatggt gcacaacaag ttatgcacat tcacaaatcg cgcataaacc caccatcccc   240

tgttgcccac ctccaactga cctcacgtac tcccacgtag cccatatcct cgtttctctc   300

aacaccgggt ccccatcaat ccttccaagc ttcctcaaca tccaagtaac tgaacatttc   360

aacaacacag actatcacag ccaagagaac agggcanagg cagaaaactc tgcccaaagc   420

accaacacag cttttctcac ttaaagaccc cagtaac   457

<210>   8827
<211>   423
<212>   DNA
<213>   Glycine max

<400>   8827

agcttgtcca aaataaagat gcaggggcaa ctttcactcc agtgctcata atcaagtatt   60

gtcatttgag agcaaaactt aatgccttgg tctaatgagc ttcctgacag gttgacacgg   120

catcatcatt cttgaagcca aaacttaggt tgactaacat taaaaatgtt acgaatgttg   180

ttcataatcc aataacaaat gagaagaat gcttactaat tccatagaaa caagaaaaag   240

3753

```
aatacacatt cgttcatatt tcaaaatctc aataaaaaaa cttgccttcc cataatatcc   300

attttcagtt gtattttagt atacaagatt atacacaatg caataatttc agaatataca   360

aagagaaccc cattatgttt tacagaccta tacaataccc ataaagagaa cttacattct   420

att                                                                  423


<210>        8828
<211>        455
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        8828

tatgagtatt attntcaacc aagccacttt tgactctaga acaaataaaa agatttgttt    60

aaggttgggt gcacataaac aaggctttca tcttatagac aaatttacaa gataaactta   120

ttgtctttct ctctcaagat ttataatgtg ttttgaaagg agtgaatacg caatttagtc   180

cctgagattg taatcatttt acatattagt ccctaactta attttaaatt caaaatagtc   240

tctatcttta cattcgttat gcaaataagt ctctgccgtt aaaatttaat ttcctccgtt   300

agtcatgtct atttggcaaa cctcaatcca tgtaagcaac ccaatgtggc angtttgagt   360

ccaagtcagc aatctcatgt ggtaaggact gaattgaaaa atacgaaagt tacgttacaa   420

agaatcaaaa atgaataaac gcattttccc cacaa                              455


<210>        8829
<211>        385
<212>        DNA
<213>        Glycine max

<400>        8829

ggatccttaa gtcacctgcg gcatgcaagc tagtctcgtt cgttctgttg agaacaaagt    60

ctcaatctga ccttcatggt tttcttcgag gtaaccatga ttctatgttg gttccttgtt   120

agtttcagct tgtctttgca tcttttctga ctttggaacc accattgtat attttgcact   180

tcctttgaaa aaccctaaac aaagagactt tgtaaacgtt atcttttcat aaaatgagtg   240

ttattttcgg gaccttcacc aaaccccggt cacattggcg tgatcggaat atcacaatga   300

tgttcctttt ctaaaatttg aaacgccttt tacccttac cttttgacaa ggattttgac   360
```

tcaaaatatt atcactagct ttatt   385

<210>   8830
<211>   364
<212>   DNA
<213>   Glycine max

<400>   8830

cgaagctcgg cagaaagctc gaagatgttt tgtgttttac atgcttaact cccttgagtg   60

acatttgtat tggttgttat attgagtgtt tcatcttagt atcttttgcg catcatgcat   120

catcatgagt aagtgagaca aaaacttcct aagttacaaa gtttcttcac aaggcgaaac   180

tctctatctt aattgattaa aaccttatcg tgattgatta cacaagttgt ctgaagcttg   240

cggagttatg tctcataccc gcttaatcga ttatagcctt ctcgtaatcg attacacaat   300

tgtgtatgag acaacgactg acttattcaa gagtctctac tttaatcgat taccatgtga   360

tata   364

<210>   8831
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8831

atcttgctgg ttggttctca acattgtgag gaatcaggta acatagtacc ctttctttct   60

cacctatctt ttatctgtaa gaactttgct actcctttta attgttaaca attcttaact   120

taaatagaat atataaaaca ctcggatcaa taatggtgtg taatagctag gctagtctac   180

cgaattgcag caagtaatat agaggtaaga atcaacagtg tggacaaatt gcaactaaac   240

tagaaacttt catttgcagg taaaaaattc gcacaaaata aggggaagtt cagaaaacag   300

ggaaaaatcc actatntaat ggtggcagtg tcctatntat tctaatcttc ccttatgcat   360

ccaattgcat tctcaatgca gaattcaatt t   391

<210>   8832
<211>   263
<212>   DNA
<213>   Glycine max

<400>   8832

tgagttaagt ttagccagca acacatattc ttctactgca agctacatca gctggtctat   60

aaacatgatg tgcatgtccg aatgtgtatg tgtttaatta attcgaaacg cacgagaaat   120

cttaacacct tgctatttct tcattacacc attcacagaa tatgttacca ctattcattc   180

aatgttgcga tgatatgatt accaaatggg acgaaatgct gtcttcacat ggatcaagtg   240

aaattgacgt atggcctttc gta   263

<210>   8833
<211>   178
<212>   DNA
<213>   Glycine max

<400>   8833

agtcttgcat accccaatga tccattagga aattacttgt taaagatagc catgagggtg   60

ggctcatggg ccagcttggg atagacaaga cgctcgtctt actcaaagaa aagttttatt   120

ggccccatat tgaaaaaaat gtacttaagc attgcactaa gtgtgtagct tggttaca   178

<210>   8834
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locatioñs
<400>   8834

tctatggaga ctgaatcttt gagcttcaat gaggtccttc aatgatgatt tttcaccatg   60

gagatgcagc agaagataaa ggaaaagaga tgagaggagg cgatatccat taagaaataa   120

gccatggaag aaggagtttc gtcaccaaca atgtgccttg gataaaaagc ttggagagaa   180

tgtttcaatg gaggaaaata aagagagaga gagagagaga aaaagagaga aggggagcac   240

gaaattgaag gaggaaaagg gggaaagaag ttgaactttg agttgtgtct cacatgactc   300

tcattcatca nagttacaac aagtgttaca catgtcttta tttatagcct atgtagtttc   360

cttgaaaaac tctcttgagt aagttctttg aaagctagag ttagttataa acacccttct   420

aataactaag cttacctcct tgagaagc   448

<210>   8835
<211>   232
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   8835

attaccgcga tcctctagat gaacccgtgg catgccagct tgttcccttt aggctttgga   60

gtctgcttta tcccantaat atcagtatgt ctctatctga tatcatctat aactattctt   120

ctcggcagtt ttttccattg ttgataaagc tggttgcttg gaatggtgaa agtgctgtac   180

catattttct tccctttcac attgggtcca gtttggtttt tttattgggg gg   232

<210>   8836
<211>   580
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8836

cttcaccacc cctcagaatg atagactntg ccattancct cttncnnntc cccgcagccg   60

cggtgagccc ntgtttacgc gctgtactca cctcnnagct ctgangcaca tcctctcgcc   120

gtatgactat catccncaca cgattttgcc gccgcatgtt agcctcaacc ctacgacgca   180

acgtcgagga ccacagtggg cacaaaactc gaacggccgc tacatgtaat cgcgaacgca   240

tactgcggct cactatccat gccaacacac aactgcagct tgtgcgtacc cgagcatgaa   300

tcactacaca gatgttgctc atacaaacga gcatatctta ctacctcact ccgcacaacg   360

gaggccactt cccaacgaac cagctattac ctcctctgat gacgcatgga catatattcc   420

tgacccaact acatttcgcc cgaatggtcg gccacaatgc accaccgatc acacatgaga   480

cggattgggt tcgcaccatc tgaccaccga acaaaaggac gaaatgtgag cccacggcat   540

acatggcgtg gcgtgcaaag caacccgcca ccggacatgc   580

<210>   8837
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8837

agcttggtct ctntntcatt tctagtttag ttatgaaaca tgttcaagtt tgtctctgtt   60

aagaggatta taaaattccc acctatatat gatgtacata ttataaaatg cagtgtttac   120

taaaagatgc ataacaacta cacaatccct gtcactggcc taataataaa attttgaggg   180

gatgtctctt tgattaatct ggcataaatt aaaaaaaatt gaaagaaaag tataatacat   240

ttacagtgta aatgttttgg aagtatcata agcattttga ttttagagat cgagaaataa   300

aaaagatata tcagttataa aaatgtgtgt aaaagtaata tagtttacta atttgtcctg   360

tactttttg ttctatgttt taaatagtga ttctgtaaaa cacaacataa cacttttaa   420

agaaagacta aaacaggaca gagacatgta tgtctgatgt ctata   465

<210>   8838
<211>   360
<212>   DNA
<213>   Glycine max

<400>   8838

caaacttggc ttacatcttt taatctcata agatacaagt cagtttggtt catgcagttt   60

ggttttggag cacctcaatt ttttaaagct gagttagatt tataaatgtc ataccataat   120

taattattgc ttctattcat gattaagata tacagcagct ggttcatcaa tcttcaacat   180

ttacgctacg gagtgcggat tggagaggtt aggctcaaac ttttgcgagg gacttaactg   240

cccatgacat tttcttttttc cattaaaatc ctttttcatc aatcttcaac attcacgcac   300

taaggattaa ataggttttt agtccatata aatatgactt catgtagttt tggtatttca   360

<210>   8839
<211>   461
<212>   DNA
<213>   Glycine max

<400>   8839

gtaacaatct caaaacttct caacattgtc ttaatgaccc tcacattttg cattgatgct   60

tcaccaaaga atatggtatg atctgcatat cacaggatac taatttccac tgagcttctt   120

cccaccaaga ggcctttaaa ctgatttttt ttagagcttc tctcattaga cccgttaatc   180

cctcagccac aatattgaac aggagtgggg ctaacagatc cccttatcta agtcctcttt   240

gagggaaaaa ttctgctaaa ggactcttat tgatcaatat ggagacaaaa gctgatctaa   300

aacatcctgt gacccaagtt atccacttta gggtagaatc ccatcctcct acgcatatat   360

accagaatat cctcactaac tgaatcatgt gccttctcat agtcgacttt gaacaccaag   420

```
cagctcatat cacctctctt cacttcctcc acttcattgg c                    461


<210>      8840
<211>      465
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8840

agcttggaga tgagggagga ttcagaggga gattccatcc gcagagggaa aagttcaatg   60

gatccaatcc aagaacaagc agaaagaagc gcgccaacaa tccactttca tttcaaactt   120

ttggaaatgg agcggagcct agcatctata acggtctatt ttcttttttt caaataaaaa   180

ttatatgaga tttgttcgag gaaaaaatac aatactatat gcatatatac tcattattca   240

ttgttggcag aaaaaaaaat agcatgcatt tttaagtata atgattnttt tcaccgtaat   300

aaaaataaaa atattacggg aaaaaaacta taaatattct attttcgtct aattaaaaag   360

tattctaagt gaggaaataa tcaattgtca tgtacacagc ctagaagatg aacatatata   420

ggtgtngctc taataaaaaa acactccaac ataataaatc tctcg                  465


<210>      8841
<211>      585
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8841

cttcccacct acatatccta nttctgtgta atttttgatt gaacttacca nccctcgccg   60

cgcccgtgag cgtgatgacg ccctcgtacn nacgcgccac cctctaagac atacccatcg   120

agcacatact ccactcacac gtcggactgc tctgtaccca gcttatttac tgctccttac   180

catccagaga ctgcttatac cgccttcaac atgccgaacc atattttatg attgacgtga   240

ggcgattcaa acaattacca tatctcgcta gtcccgctgc tcggtggcga tatgatacat   300

aagaccaatc cgtcttctaa tacttctgga acacaaccga atgcttaagc ctataacacc   360

caacaactac atttgactcg tcgcagcttt aagcccataa ttttcaatct ctgtcttgac   420

acacaatctc ttgctatgag acctccttga ctcaacacgt cgtagaccct aacgcctcta   480

atgcagacgc cacccattca aacccatgca caaccgcgct cctagtcgag catatcaaac   540
```

accgatcgct ttagaccatg gatctaaaac actcccgcgc tcccc   585

<210>   8842
<211>   385
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8842

gcttgccgcc atggagtntt ccgactatgc tcttgtgtgg tggaacaagc tacaaaaaga   60

gagagcgaga aatgaagagc caatggttga tacatggacg gagatgaaaa agatcatgag   120

gaagcgatat gtgccagcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac   180

ccaaggcaac aagggggttg aggagtattt caaggaaatg gatgtgctca tgattcaagc   240

aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatggtt tgactaatga   300

tatccgtgat attgttgagc tgcangagtt tgttgaaatg gatgaatttc ttcacaaagc   360

aatccaagta gagcaacaat taaaa   385

<210>   8843
<211>   358
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8843

gtacttcaat attntccaca tcatcaacga tcttattgaa attatccaat tgctcagtga   60

ctgttcttga ttctatcatc ttgaaggtgt acagttgttg cttcaagcat agccgatttt   120

ccagagactt gtgtcattta caaggattcc agtttcagcc acattgaggc tgttgtcctt   180

tctcttgcaa cttctcttaa agctttatct ctaaggcata gtatgattgc acttctggct   240

ctatcaatca tttctgattt ctcctttgag cttagagatt cagacatcct ttcttcttct   300

ttaagagctt ctgcacaacc atgttgaatc aagaatgctt ccatcttgat cctcataa   358

<210>   8844
<211>   379
<212>   DNA
<213>   Glycine max

<400>   8844

```
aagctctact gagtctgatt ataatcatct acctccttaa tgcaactata gaaccctacc    60

tgtaactatc ttcacttgcc aattcaatga acacccgaac cccaatactc gcttgcttgg   120

caagaggcct ggacataccc tctttccctt cttattccac tcacccacaa attcacttcc   180

gcgcaagctt ctaccctctt taaaaagctt ttcaaagttt gaatctttat cacaaaacaa   240

caagacccag aacatttttt tagcaatgct gtgaccaatg attgagtagc gaagattctg   300

tgatctgtca gcaatggcgg tttgcacttt gaagccgcag aagccgaacc cttacgcgct   360

ttggaagccg aagccgaag                                                379


<210>     8845
<211>     517
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8845

agccctccgc gcgtgacccc tgatgaacgc gctgcatcta cgcacactct agaacactct    60

agcctgttat catgaaatct cataagatac atttatcata tggnatatgc attacgatgt   120

ggcggcacat gcttaaattg cggctgtctt acacacatga atcacattgg atcattaacc   180

attaggagga attcacgatt aagatataca gcatctgaga actcaaacta tcatcttagc   240

ccgtatagga tagccgatag gagatgtttg gctcaaacgc aaggcatgca cccactgtca   300

aaccatgatt tagcccctct attcttaata gcgaccatca accccttggc tcttaagaat   360

atatacgttt atactctcta ttattcagac gacacagtcc gccgcccact ctctaaaata   420

ggcgcactgg tcctcgtttc acgttcagac tcgcctttct tcgtgtattc gtctatgact   480

acactcgcag gtgttcagta ttcttaaaga caacccc                            517


<210>     8846
<211>     392
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8846

tgaatgtgtt actntgacac tctctgatga ggaatacacc atagtccata gctctagaag    60

cgccacacaa atgtggaaca ccttagccat aacatacaaa gggtgctcac aggtaaaaag   120
```

3761

gaacaatatt aaactaagac tcctaacaca taagtatgag atgtttagaa tggaggaagg   180

cgcagacata caatgtatgg ttgaatgctt ccaaaccatt ttaaacgagc ttacagcata   240

gtgtagaact cttgacaatt atgataatat tgataaaata ctaagaagtt tatcaagaaa   300

gtggagatcg tacgttacaa ctttaatagc tataaagaat cttgatactc tgtctctaga   360

agaatgtagt ggaaccttaa aggtcatgaa ca   392

<210>   8847
<211>   337
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8847

gccacctgcn gcatgcacgc tacgatggcg tgatattata tacatgtctg tcatcatcaa   60

aaagggggag aatgtgaatg tatgtataca tgattttgat gatgtcaaaa gaagaatcaa   120

acaaggctca tttcgcttcc tgattaatac aagattgttt caacaaacaa tgctctgatt   180

caagatttct tcaagatcaa gccttgcctc acaatgaaag gtttcaggtc attctaggca   240

catgttatcg attaccaata catgttatcg attaccaatg gtttgaaagt gtgtaatcga   300

ttacacatca tatgtaatcg actaccagag aggattt   337

<210>   8848
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8848

tgcacgatgt taacttacaa gaaaacaagt ttaatcaaag cattatataa tatttattca   60

acttagaaaa aataaggaca aatgggaaaa gttaacttat agtttattac aataaaacct   120

aggtatccaa catcaatcat catctaacac gaaattcaat tactgatatg catagaattg   180

gatgatccca caccataata catataatcc aatacattct gatttcatga attcagtcca   240

aggaaaacca gataacagga cattaacatc aataaaatat cttttattta tctccaaggc   300

ctagactcca aggagtccat caggacctct ctctcctaat tcaggtccaa cccagagaat   360

attntaatat acagactcta tctatgaact atgcaataca cacaactact caattgtttt   420

caaaatctca actattttcc aaaattatat taacttatc 459

<210> 8849
<211> 354
<212> DNA
<213> Glycine max

<400> 8849

tgtgcctctt caggtctgga atgtgaatgt agcatataga tctaaatacc cttatgcgct 60

ttgctgatgg cttcttttccg ttgcaagctt caattggagt cttgtcgttt acagacttag 120

ttggacatct gttgagcatg tcaacagcat cagagactgc tatagtctag aatgcgttac 180

gtagattcgt tctcttgagc agtcatctag ccatctccat aactatgcca ttctttatat 240

cggacactcc atattgttga cgagaatatg ccactcgaag atggcgctca atgccttaat 300

cctcacaaaa tgtgtcaaac tcgcgagagg tgtactcttt gtccaatcac ttct 354

<210> 8850
<211> 315
<212> DNA
<213> Glycine max

<400> 8850

cttgcactat tatatttatt ttggtaacag tatatatttt gcctgaggtc tggttattac 60

gatgaagcaa gaaatgttgc ccaatcttca cgtgcttcac atcaatttgc tcctttggta 120

catactgtgg tcactactta tttactaatt tatgatttaa tctttcttaa taatttactt 180

atttctgaca gctgacagag tggattaata aaggagggat ggtaccagaa gagattgcag 240

ctgctgcatc tgatgaatgt gaaagaatgt tgagaactgg tgaccgggta ggtcgaactg 300

catatgacaa gaaaa 315

<210> 8851
<211> 426
<212> DNA
<213> Glycine max

<400> 8851

tcttgtatat tgcagataca ccaattcctt acttgcactt atctctattg gcttgcttca 60

ctctctgtca ttccctgaga cactctgact cacttttgtt ctgaactttg aatgattaat 120

3763

aaataattaa ttgttaacta atgttattaa ggcattaatt acaaattaaa aagaagtgtt   180

ttaattgtaa tgatgtctta tatacatata tcatgttcac ctatatactt atttgtagaa   240

tgcaactatt cacatataaa ttattgtgcg ttcaactcta cttaattctg taagatcaat   300

gtcattcaac tctacttatc atttctttta tcacctagat agagtatcat atcacaataa   360

aaggtgccag cactatcagc agtcccacac agctcgagat acaatcaact aatattcgct   420

actaac   426

<210>   8852
<211>   435
<212>   DNA
<213>   Glycine max

<400>   8852

tgtttttcaa acgggtaaaa ggctcacatt cactttcttc tacatcatat tcaaacttgt   60

tcaaataaat aataaagtca tctcgactca aagaaggtca tctaagtctc atacaattaa   120

tatataacct atatcctaat gtcacatcct atcagagcgt ggtgttcccg tgtcctctag   180

catgaggttc ttcatagcca accacctatt catctgctcc cccgaacaca aagtttaaga   240

tcatcatatg atccaaacac aaacagcaaa ccgggagtga gttatcacat ttctaactac   300

tagagagaaa caacacaaca tatagtagcc aaatacaatt tacttagcat atctcacatt   360

atttcatcac tgtgtcattc atcaatcaca cttttcatcc atcaatcaca cgtttcaatc   420

attgatcact ataca   435

<210>   8853
<211>   561
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8853

cgcccccccag cgtattgatc gttcatgaac gccttgatan cactcgcaat cacgagacac   60

tatagaatac ctaagcttgt ctctgatgtc gacgatatat cgactgatga tgatgacgat   120

gtctaatggg cgaantatgg cgatgatgat tacgggtggg aataagcacg ccgcctacgg   180

ggcctacgac ctgttctaca taaagtttgc ctggactgac ctatttaata caaaaggttg   240

3764

```
aggcgtacgg gctttcttca aacagtcttt taaacttana atcagcatca gcgctctata   300

ggcttattaa acnaagtcct taatacgcnn ctgattagac ccacgcccac tatatatccc   360

atatatacct catattatct ctttctctcg actagcatat atgtgccctt gcattgaaca   420

caacacaagg cataattaat atttttttgt tgaaactaac aggccttgat tacacagtac   480

tgctctatca ctncattcct ataatcaagt aagacattaa ttaccactta actcgtactg   540

agtcatgtgt tgactcgcgc t                                              561


<210>      8854
<211>      361
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8854

tgcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca    60

gatatcttaa gaaggggggc attgaattaa gatatcacaa tcttttctaa attaaaaatt   120

ctattttgat tttaacccac atcccaagat ttctttcaaa aatgaactcc taaataatta   180

tgcaaattaa tcttactgaa tagaaacaat aagcaatata caatatacaa taaaagagtt   240

taagggaaga aagattgcan actcagaatt atactggttt ggcacaccct tgtgcctacg   300

tncagtcccc aagcaacccg cttgagagtt ccactatctt gcaaaagtcc ttacaagttc   360

t                                                                    361


<210>      8855
<211>      406
<212>      DNA
<213>      Glycine max

<400>      8855

tctacttatg tggcagggcg ggcttccttc actttcttgt ctccaacgcg agctctgacc    60

actgttcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa   120

accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtcttt   180

gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc   240

cgcatcggac agacaaggtt gcccaaagag ggagtccacg gaggaaatgc tgaccacctc   300

aaaagactgg aaagcgcgtt ctaacgattc ttctgcggct tccacataag gcatggagga   360
```

tgggcagctt accaagatat cttcctcgcc tgacacgatg accaag   406

<210>   8856
<211>   215
<212>   DNA
<213>   Glycine max

<400>   8856

ggagcgatta cgtttacacg atagtctgta taaaacaaac aggttatgca ctgtagatgt   60

ttcttacctt acaaacaacc ttcctacttc tacatgatga tgcatgatgc acacataaat   120

agattacgac tacaaggcag caatcaatac aaacgccact ccataagaag ctttcgcctc   180

tactttgcgc acaccttttt aaaacttaat cttca   215

<210>   8857
<211>   234
<212>   DNA
<213>   Glycine max

<400>   8857

gcttcttatc caaggctcat cttggtggtg tggctccttc ttccatggct tattccctat   60

atggacggcg cctcctctca cctattctcc tttgtcttcc actgcatctc catggtggaa   120

aatcatcatt aaaggacctc atagaagctc aaagatccag cctccataga agccccacaa   180

gcaagcttcc atcacaaggc tacgtgacac ttatgcatgc cagcccggac atgt   234

<210>   8858
<211>   130
<212>   DNA
<213>   Glycine max

<400>   8858

tgcaagcttt ctccatattt tcctataaat agggggtgaa gtgaagggaa ttaatgttca   60

gccctcctgg taattcgaga tcacttgaac ttaccgaaac acattatttc cgcgcacaaa   120

atccaagctg   130

<210>   8859
<211>   160
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8859

gcttcatgat cgaatcaaga ttgattcaaa gaagttntga tgataactta ggtaatgaca   60

taaagctcaa aggtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag   120

aatgagctca cgactttcat gattgaatcc agaacacttc   160

<210>   8860
<211>   183
<212>   DNA
<213>   Glycine max

<400>   8860

aagatcactt catgataaca tagatgataa cattcaagaa tgagttcaag attgagtcaa   60

gaacacttca aggatcaaga gcacatttga tttcagaatc aagaattaag attcaagatt   120

caagaatcat gattcacgaa tattcaagat caagactcac gactcctgac tcatgattcc   180

aga   183

<210>   8861
<211>   151
<212>   DNA
<213>   Glycine max

<400>   8861

gattctatag tggaccacag cagtgcgtat catgtaatat gctttgtctt ccactgcatc   60

tccatggcgg aaaatcatca ttaaaggacc tcatagaagc tcaaagatcc agcctccata   120

caagccccac aagcacgctt ccatcaaacg g   151

<210>   8862
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8862

cgtccatata cgcactgttt tatcgcactg cagacgctga ccacacagga taaacacaca   60

tatcgtacac taacacatct ttattatcta ggncacatac tcaaagcaat catactatac   120

tacacataat aggtccttca ctacccatgc tccacctcat catcgaatgt ctcagcaact   180

cttacttgat actttactct cccacaaact tctcctacca cacttacctg tccttctcaa   240

ttataatatt cacctcacct cttcaccatt ctacctaccc gctactctca cattctcact   300

aatcatccct tgtccctatc actcactctc tttcaactct tccactctat tctctcatac   360

ccaacnactc acctctcctc ttcgttncac ctcctgctcc ctctctcggt tttattccct   420

catctatcat cccttcccac ctctccctat catcccccac actttctacg ctgctcatt   479

<210>   8863
<211>   200
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8863

ataacatcca cgctactggc acttatgtac anacttaata ttgcaacgtg cagtcatctc   60

actatataac tctagggatt ccactgcatg tccatgccgg aaaatcactc attaacggac   120

ctcatagaag ctcacagatc cagcctccat acaagcccca caagcaagct tccatcaaaa   180

ggccacgcga cacttattca   200

<210>   8864
<211>   423
<212>   DNA
<213>   Glycine max

<400>   8864

agctagaaga ttccatatgg atatatcatc actgtagatt ccaaccctct gggtatgtct   60

acatttctag ttagctcatg gctatgaatg gctaatcttc ctagtacggc gattatgatg   120

taacctacca tgaacccctt ttctgatttt aataagattc tcgatgcatt ttagttaatt   180

gattctcttt ttaatcttaa tttttatttg gaaatggtca ttctaataca taatcgattg   240

catagtagtg atcatctaca tataattggt agaattagga acaaagtgtt tcataccaaa   300

ctgcatagcc aaactattca cgttatcttt ggtgggttga ttacgaaatt gattaatcac   360

cctcatcatt gttcttaatc ccttcgttta attcaacacc tgcatgatta attgaggatt   420

gct   423

<210>   8865

<211> 255
<212> DNA
<213> Glycine max

<400> 8865

ccttcaatga atgtgactta tctctttatt atgcaaatgg agaatccgat tcgagaacaa   60

atccttctca agagggagag aatgatgagg acatgaccaa gagcaagggc aaggattcac   120

ttgaacgact tggaggacct atgacaaggg ctagagcaag gaaagccatg gaagctcttc   180

aacaagcgtt cgccatacta tttgaataca agcccaagtt ttaaggagaa aagtccaagg   240

ttgcgagtcg catca   255

<210> 8866
<211> 182
<212> DNA
<213> Glycine max

<400> 8866

agcttgagga gacgctaata tagttcatgc aaatatccat gtccaactat aggagcatgg   60

agtcttccat caagaacctg gagatacaag tgggacaatt agccaaacaa atggctgaaa   120

gacccactag cagctttaga gccaacatag agaagatcac gaaggaggaa tgcaggtctg   180

cg   182

<210> 8867
<211> 135
<212> DNA
<213> Glycine max

<400> 8867

cactatgaat actcagcttc atcagtgtaa tcacagcacc aaagctcata gtaggcgctc   60

cttacacctc cattaattct ttgctttacc ttctcttcca ttgctgtctc ttcaatctat   120

ctccttgcat ctcct   135

<210> 8868
<211> 250
<212> DNA
<213> Glycine max

<400> 8868

```
agcttctagt ttctatttct agaccaaaat ccattattaa catctaggtc attaataagt    60

tgaccatttt ttgaccagag aattttctat gaattatcct tatcctttgt agactttaac   120

ttaaaaactt aagagattaa ccatgcctag gtatcctatg gtaacatcta atctttttac   180

catctttata gcgtaaaaac actatctaat cgcactaccc aataataata ctgttcaccc   240

cacacacatg                                                          250
```

```
<210>        8869
<211>        221
<212>        DNA
<213>        Glycine max

<400>        8869

tccaagctta atttgatgat gccaaagact caagtcaaga attatagatt caagaatcaa    60

agagtaattc aatcaagaat caagattcaa gtgaagattc aagaagaaga ctcaagatat   120

gcaagaactt caagaaaagc atcaagataa gtataaaaag attttttcaa aagaaaagag   180

gaataacaca acttgtccca acgaattctt tacagaaaca c                       221
```

```
<210>        8870
<211>        436
<212>        DNA
<213>        Glycine max

<400>        8870

cagcttgata gggaggtcca tcgataacag ttatcattat gcatagttga cgctcattgt    60

gaggactaat tagtatctag gagatcttta tattaggtca gtacaccgca ttcaatcata   120

aataattatt tatgataaac tcatgaactt ctataacaat taacttaaaa atgataggag   180

taataattct catattgacg actatgtaaa ctgttgcgca gataatgcat gtctattaag   240

ctccttttga aatcttaggg gattatttta agatatttag tgactctaat ttactgaagg   300

catatattta gatttaaatc ttttatcact ctcatacaaa ataattttc aaaagacaag    360

aaactatgaa tgatgtgtta tataaaaaac taagaagaat cattcaaagg ttaataatta   420

ttcaaatcta atatca                                                   436
```

```
<210>        8871
<211>        373
<212>        DNA
```

<213>   Glycine max

<400>   8871

agtcaaacta acgtattgat tatatactaa caatttacat gtttggtaac acacacatga   60

tctgtgacac atgggacaga ggtggtgtta tgggtcagca cgaataataa atggggggggt 120

attcctgtga actgtgtatg ttgtgagcat ggataaaaaa tgagattata tataatagtt 180

atctagttgc taacatgact gattttttata caaattttac acatgtatct ttttgctctc 240

aaagttactt cgttctaata cttttcatgt aagtgaatat aatgagataa gtctcacatc 300

ctaaatcaat aaaaatattt tcaaggtcgc gtctgaaaat aaaaacaaca ataagtttct 360

tgaaatggtt aat   373

<210>   8872
<211>   130
<212>   DNA
<213>   Glycine max

<400>   8872

agcttgcttc tacaaattct tcatctttct tttgtttctt tggctgagaa gacccttcca   60

tagtgtcata ccttaatttc gtctgaggac tatcgatcgt tgatcttttg atcctcgcta 120

gtcgacttat   130

<210>   8873
<211>   332
<212>   DNA
<213>   Glycine max

<400>   8873

ttgagccaat atcttgactc atcataaacc ttgatccagc gtgtgaatgc cgatccttac   60

cctcgtatgc acgacacgga ggagagtgaa cattttccac aaaggggatt gtgatcgcaa 120

catggttcgc tcatggtgcc taacacatgc cactacgaat gtactgtgaa gtttcacgct 180

ccccctcttc ttgtttctgc tttgcagacg aacactcaat gatgaccaaa catgaaaacc 240

aatggtatgc aattttgcag atcaaaacgt cttgttgacc gcatatgcat gatgatgcca 300

tgactcatgc aaaatgtgag cctggaatat ga   332

<210>   8874

<211>   472
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8874

cgctgcatgc aagcttctac anaaatcctt attaaagaaa gacttcttga aagggaggac   60

cattatttac tgtgaacaat ttgctcaatt gacaacaagg ttagatcaaa tttgttacta   120

acaatctttta tattatgtca ttttcaatca atcaattata ttttttaatt ttctttaaca   180

caggtccatc gtctacaaat ttattctatt gggtggggtt ctataacaca taaactcaac   240

tttagaaaat gataaaaaga gaatgattat ctcaaatgat acaaaggtaa tatagtgaga   300

ttattttaaa atatttatgt actctaattt aataaatgca tatatttaat tttaaatttt   360

ctatcacttt catacaaaat aatttttcaa agacaagaca ctatgaatga tgtgtataaa   420

aaaaactaag aagactcatt ccaggttaat aattattcaa atttatatca tt   472

<210>   8875
<211>   433
<212>   DNA
<213>   Glycine max

<400>   8875

caattttgga cacacatttt aacctttctg atttatttaa gacatgaatc ttgttccatt   60

atattcactt atatgaaaac tatgaaaacc aactaatgtt tgaaacaaaa agaataataa   120

atatggtgaa aatcatgtga aaagtgagtg tcatgagcaa ttagaaaaaa taaaattaga   180

tattttagtt atctagttgc taacatgact cattttttata caaatttttac acatgtatct   240

ttctgctctc aaagttagtt tgttctaata gttttcatgt aagtgaatat aatgagataa   300

gtttcacatc ctatatcaat aaaaatattc tcaaggtcgt gtctgaaaat aaaaaaaaca   360

ataagttttt tgaaatgcgt aatgtgtcat tagtaaaata aataggtgac catctaacaa   420

ctttaaaaat tag   433

<210>   8876
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

3772

<400>   8876

ttgaatttct caagagcttc cgttgttcaa tttcgagctt gtcgtcatat tatgcgcccg   60

aatcggacat ccgtgtgaaa agctatgacc atttgaattt ctagagagtt tccgatgttt   120

aatttcgagt gtatcgatat attataaacc tgaatcggac ctcagtggta aatgttatga   180

ccatttgtat ttctcaagac cttccgttgt tcaattctga gcgtctcaat atgtgatttg   240

ctcgaatcgg acatccgtgt gaaaagcaat gaccatttga atttctcaag agctctccgt   300

gttcaatttc gaccctctcg acatattatg cgcccgaatc ggacatccgc gtgaaaaggt   360

atggccattt gaatntctcg agagcttctg atgtttaatt tcgagcgcat tgatatatta   420

taagc   425

<210>   8877
<211>   386
<212>   DNA
<213>   Glycine max

<400>   8877

ctcagctata atatatcgaa tatgaacaac ggaagctctc gtgagattta tatggtcata   60

acttttcaca ctgacgtccg atacaggttt ataatgtatc gatacactcg aaattaaaca   120

tcggaaactc tctagaaatt caaatggtca taacttttca cacggatgtc cgattcgggc   180

gcataatatg tcgagaggct cgaaattgaa caacggaagc tctagagaaa ttcaaatggt   240

cataactttt cacacggatg tccgattcgg gcgaatcaca tttcgagacg ctcagaattg   300

aacaacggac gctctagaga aattcaaacg gtcgtaactt ttcacacgga tgggcgattc   360

aggctcatca tatatcgata cgctcg   386

<210>   8878
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8878

agcttgcaca ctcaaaggga catctcacct atatctntat taaaaactat catgtacatc   60

tgtccattac acaaaaataa caccatctaa gcaaacttaa tacttctata gtcatgacct   120

tttatctaag taaattatta tatttatttc tcctaatgat atagagattt ctccattccc   180

```
atctccacaa tcaatttccc tccctccggt ttcctaaact tgacaccctg tcttttatgg    240

ctactacaag gttgtataat ctagtatact tcctatatgt gaaaataaac cacttccacc    300

caaaggtctt gacaaaataa aagtatcccc taaccccgca accccaccc  accttctaac    360

aaactcaaat gccagattct ttcttccctc tcatagntac tctntgatat accgtatcac    420

aattattggt gatttctctt ccttctgaac cacca                               455


<210>      8879
<211>      439
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8879

gatgcacgga anatgtaatt atgaaattga gatgcccgaa gatacaccat ttcctagtta     60

accatgcatt aggtaccatg ttcaattatt ttgttttgtt gatgtgtgtt ttttttttag    120

aaatgggttt atgatcccaa catggttggc tcatggtgcc taacacatgc aactaagaat    180

gtagtgtgaa gtttcacgct ttcccttttt ttgttttgt  tntgtagagg aaaacgcaac    240

gatgagcaaa catgaaaaca aatggtatgc aattttgcag atcaaaaagt ttgttgaccg    300

catatgcatg atgatgccat gactcatgca aaatgtgagc ctggaatatg ataacggaca    360

aatgcacgaa cgatatgttc attatgatgt tatgaagaga tgcttatgcg atgcatgata    420

tgaatgcatt ttacggaca                                                 439


<210>      8880
<211>      453
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8880

agcttcttga tataaactag gcattaatct tcatctaata acttaagatc ctttgatagt     60

ttttgtgtat attgaccgac tgcccttct  tttacttgtt taaaaatata tatttgatgt    120

ttgcatgcac atttatttaa tgtaattctt ttgatacgtg tagatagaga aaggtgcatg    180

ctacatattg tttaaaaatt ttgaaagccc agtaatactg catgagaagg atgtaggtct    240

tgaaattcta agcacaggta atggttaatt cttcatgatt aacatcttgc acgcaatgtg    300
```

atattnttct atctttcatg ttctatgtct gcatttttac aatatttatg ctggtctcan   360

atgtagttgt tcaggagtta caagagcaac atggtgctaa ttctaagtca cttaatgtag   420

cgagatgtac atcttttaat aaagatggga tca   453

<210>   8881
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8881

tgaagaggcg aacaaaaaaa gaacttagan aattgttcag ttgttcactc gctaagtgca   60

acactcgcgc taagcgccaa gtcttcacgc gctaagcggg ccctttctcg cgctaagcgc   120

ttagacccct gattagtggc tggatggtaa cgctaaacac gccttgcttc gctaagccta   180

attatctctc tggaatctga atttatcgaa ttgggcttaa cgaggtgaaa atctgtggat   240

agcgctaagc ccaaatgcct ctatggattt taatttctcg cattgggctt agcgaggtga   300

tgcgctaagc gcaattccct ctctattttg aaattctttg gaatagcgct aagcgccggt   360

gaagcgctaa gcgcaagcca tcactgcatg gaggagcatg tntatgcgct aagccccacc   420

tttggcagct aagt   434

<210>   8882
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8882

ctgcggcatg caagcttcta tataagctga accattttat caatatacac aagttgagtt   60

ttattcagag aattagagtt tatctctttt atcttagtga gagtgattct cctaaattct   120

tgagtgattc aagaacaccc tgactgtatc aaaggacatt cacaaccttt gtgtgttgcc   180

ctcgctggaa agagtgattc tttccttcct ttcatcttca cccttgttct ttcaaaccac   240

aattccagaa aatccacctc tgcccagaat tatctcgtgg ccataactcc cattntacgc   300

actcaaatta agtgattctt gagcctaaat tgaatttcaa aacgagacct ttcacctcgt   360

tttggaatca cctcatttgg agccctgtag cttca   395

<210>   8883
<211>   315
<212>   DNA
<213>   Glycine max

<400>   8883

tctgaatagg acctccgtga gaaaggttat gaccatttga atttctcgag agctttcgtt   60

gttcaatttc gtgcagctcg atatgtgata caccagaatc ggacatccga gtgaaaagtt   120

atgaccatat gaatttcttc atagcttccg ttgttcaatt tcgtgcatgt cgatatgtga   180

agcacctgaa tcggacatcc gagttaaaac ttatgaccat attaatttcc cgagagcctc   240

cgttgttcaa tttcgagcgt ctcgatatat taagcgcctg aatagcacct ccgtgtgaaa   300

agttatgacc atttg   315

<210>   8884
<211>   284
<212>   DNA
<213>   Glycine max

<400>   8884

ctacatacaa cacaacgtat tatgcgcctc aatcagacga tgcgagccta caagctcgac   60

aatttaaatt cttaaaatac atcgcttgat atcattcttg tgcgtgccaa aataggccta   120

tcataatcta gcgtgggaga gaatataaca cataaactct gctttagata cctatcttta   180

ttgaatgact gtctcaaacg atacaaaggc tatatactga gactatatcc aaaatttgat   240

cgcctcttat ttaataggtg catatattcg aatttaaatt tttt   284

<210>   8885
<211>   508
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8885

gcccgcgcgc atgagacctg attagcgact cttgaagctc cgcttaaata tatcgcttgt   60

gaacaacgga agctctctag aagatttcat gctaacatca ttgctgctga agacggcaca   120

tgtgtgctac gcagccatac actcgaagag atccatcaga accgctctca aattgcatac   180

```
ggcaatatct tgacaagagg attaccgaca acgtcgcaca ttatgaatgg aggctcgaaa    240

tagagaccgg tgaggtgaga catttttata gggttgtgac acacgacact gttggatgaa    300

agagtaaatg ttcttcataa ttcacgttgg tgaatatcct gacttcagat tgacatcctc    360

tctcggtatg catatgaacg tggcgcggat gagcataaaa tagacaataa gtcctttgat    420

atggacaatg agacactcca tanaacaaat gggaattcta gtaacgtgga cgcactcatc    480

gctgaatata ccataacgtc gtacggggg                                      508
```

<210>   8886
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8886

```
agctntaacc tcatcgtctc tcacagtctt tagatttggg agccaatcca atccttgtgt     60

tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc    120

tctgtccttt cttcatgccg catcccatgc cttgcgaact ccttggagta ccctcgcgtt    180

gtggtcactt aaaccccgtg cgatgaaagg cgtgatgctt tcgtctgatg gcacttctct    240

catggggtag ccaagctgtc ttatggcaag gacgagatta taattaatac aaacccttgt    300

tcccatctag agaacatttg gacatccttc gcatgaagat agaatcctga ttcttccttc    360

cttctagcga gggaaccaat taacagacgc cccttcatgc                          400
```

<210>   8887
<211>   343
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8887

```
tctgccccaa ttntctataa ataggggag aagtgaagtg aataagggtt cagcccctta      60

cgcacttatc tctctttcga atttgcttgg aaaaattgtt tctgtgaaga aaatccaagc    120

cgaggcgctt ctgaaacgtt ttcgtaacgt ttccgtgagg aatttctcga aggtttcgac    180

cgttcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaacg ggtaaatacc    240

tcgaaccaag cttttcgatt cattctatgt acccgcggtg gtccacattg tgtttcgtgt    300
```

atttntattc tcgtttcatt tacttttat acccccttt gac   343

<210>   8888
<211>   363
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8888

agcttaatat tgaaattata ttntttntat tcctttaaga taaaatatgt caacttatct   60

tcaataaaat aaaattagca gtttttatag cattaatttt tattaagtta aattaataat 120

gctcaaaaat ttcatttgtt cagctagata tcaacataga tatgctgcaa tttgcaaatt 180

tcttatagca ggtgtgcact agagtgtgaa taataagaat tattttgttt gagaataaca 240

ttcaaagatg ctctcttatt tttttagct ctgataaggt gtggtcaagc tgtgtttca 300

attttctttc attcctgtca gctctggttt ttttaggaaa ggtggctcat ttcattcttt 360

aat   363

<210>   8889
<211>   432
<212>   DNA
<213>   Glycine max

<400>   8889

tctagaagaa ttatcggcta tctgcttagt cagctatcct acttgaattt ccaaattatt   60

tatagtagac tttgtgctca tgtgatttga cattgcaact tgcatgaact gaaccaaaat 120

ctccttcagc ttgattgttc tctcataaag gctacgccct tgattttaag gcctgttgga 180

tggtcctcct tggtctttat tgaattggtt tccaggatga gacctccact gcccttgatt 240

atgattaaaa ttggaaactt gctagtaacc tcgcaaatca cctgcattaa atcctggtct 300

gtgctgattc ctcatataat tcacctcctt tgcagcttca ttaagagata tacaacaatc 360

agattcatga gctcctccac atatgctaca acctccaacc tgcagaacta ctgaatgtga 420

acggtgagtt gc   432

<210>   8890
<211>   325
<212>   DNA
<213>   Glycine max

3778

<400> 8890

```
agcttcccac aaccaacccc aagagtcgag ctctcccttg aagcattgtg tcacggattg     60

tagaccattt ctcaacctca acttgtggtt cttctgcgag gacttggagt gcaaagaatg    120

cacaagaaac accaaaatac atgggataca tgctttcagt gtcactcttg ttgtcacacc    180

catctctatc caaaacagaa acttccttct cacccattcc tgtgagatcg gattccctgg    240

cacctctgca actgaaaacc aaaagttaag aaacaaaacc agcaaagact gtaattccca    300

cattacctta caactcacat gattc                                          325
```

<210>   8891
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8891

```
tatcaaaaca ggtccttagt taaaggcctc tttctccacc gctgtgccac tattagacta     60

aaacgttctg cagaagacta aattaactta gagccaaagc caaaaacgtt tcaagacaaa    120

agcaatagta aaacattgct aaaatgaaaa ttgaagttag agaacacaaa aatgaataac    180

taaattaaaa ctaaaattga cattagagaa cgaaattatt gatgttacct tgtcatttca    240

tcatatatat gaacatagta aaatcctttc tttttctttc cattattcaa caaacctata    300

tacatatctg gaaggttatt tccgtctata cgggcgttaa tacaatagat aagagatgaa    360

ctaccccaag aagcttgggg cctggtntat tcagcanata tctgctcaag catacagaga    420

atcaccacat aagttctaat cacatatt                                       448
```

<210>   8892
<211>   307
<212>   DNA
<213>   Glycine max

<400>   8892

```
agcttagcgc gcctctgtgc taagcctaat tacttctctg tttaagattt atgctgagcg     60

cgtcatgtgc gctaggccta aatacctctc tgcctttatt tgggtttagc gccactagtg    120

gcgctaggcc ccccgtctcc tgattcatga ttgcgctaag taggaccctc acagcttaga    180
```

```
gccctaacgt ttcatgtgca ctagtgctaa gtgcacccat cgtggcttaa tgcactcatt    240

tggttttgtt gcttcctttc tttacttact tttccatctg taattcttct catgcttctg    300

atggtct                                                              307


<210>      8893
<211>      455
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8893

cattgtatgt aatgtgtgtt aaaataagtt gtagatgttc cctttgagtn ttgtttacgt     60

ataaatataa taatttctgg tcctaccatt ttgaaaaatt gaaacgctcg tcaattttgg    120

aagctaaatt gaatggctgt taatgggtgg taatgaccac taatgaatta taacagccaa    180

taatgagcgg taatggctac taaatgcatt cttgatggta gaatgcctat atatagcaca    240

tgtatttggt ccgtgagatc atctctttga attcattctg atacaccatc tacagagaga    300

aagaaagaga gcttgaaaga accaaaacaa gacaactctt catggcaatg gttggaggta    360

tgatttaata tttattctcc gcattttgtt aatgacctgt gtntcttttg tagtttgcaa    420

catcacacgt taaaacgtgt agtctaacat ttggt                               455


<210>      8894
<211>      406
<212>      DNA
<213>      Glycine max

<400>      8894

agctctgctt taggggcaat gatacgacca ctgataagca atggaagcat gagaaaacat     60

gtgggcgtgc cctaggccta agatttgaca aagagagtgg agatctatac atagcagacg    120

catactatgg acttgttgtg gttggaccta atgggggact cgctacatcg ttggcaaccc    180

atgttgaaag aaagcccatt ctcttcgcaa atgagcttga cattcataag aacggatcca    240

tcttcttcac agacaccagc aaaagataca acagagtgta agcctttatt actcatatac    300

tatacatcat ttgagtatat tcatgcactc attattgctt tcaatggatt attattgttt    360

acaacgtact tattacttgt ttgcagcgcg cattctatta tattat                   406
```
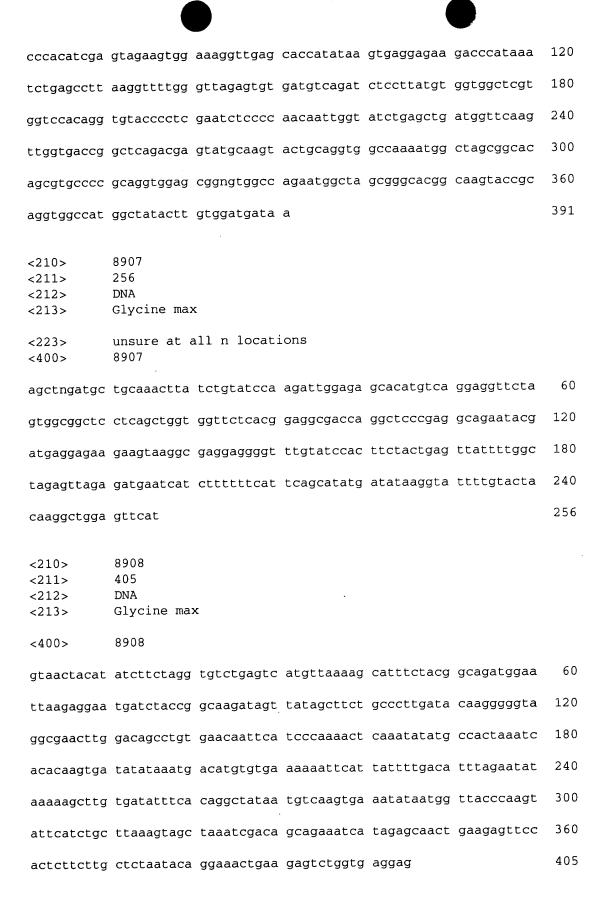
```
<210>       8895
<211>       319
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8895

agcttctcag attctccttc agattctccc aactcgctaa gcgggctgag tgcctcgctt     60

agtgcatgac tctcgctaag cgcacaagcc tcacttggcg agacaccagc tgctagcctt    120

cacaaatttc atccttttta cctgaaattg aagttgaaac acattaaatt cacaatgttg    180

ggcatttcta ttgaacaaaa ctaaactaaa cctaaaaata agtacaaatc tacaaaaaga    240

accataaatt ggggaaaaag acaacattnt ataacatttt tctatacana agttagtcgt    300

aaatgacgac taacaaact                                                 319


<210>       8896
<211>       449
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8896

ntcaacccag tagaaataac atatggctca cataaattag ctggtacata accaatgctg     60

ccataatgtc ataagacaat ggatttgttc tcaccataag catcccttta caaatcccta    120

ctttatttta cttcttttaa atgactcagt cacatcccct ttacaaatta aaataaaatc    180

attgttcaca ctaaatgcaa atttatgctt gcaattatta aacttggaga tcagagttgc    240

tcacaaaatt atctacgact atgtctctca caatttttat ccaactattc aaattgatgc    300

gacgtggtaa cttgcattag cctaggaaaa catatattta gacatataac agtttanatg    360

ttcagccata aatctgttac aaagaactct attttgacct cgttgatact atctaacccc    420

ctaacgtact gcatatattt cacagaatg                                      449


<210>       8897
<211>       433
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8897
```

```
acgcttgatg atatggtctt caccgacgaa aggttcgatg tgggtctaaa aagaggaaaa    60

tttagtcatc ctgcttggac gaatgagana actggggcaa atgaagaggg tgaggatgaa   120

ggaaaagccc gtgctgtgac tgccattcct atacgaccaa gtttcccacc aacccaacaa   180

tgtcattact cagccaataa cgacccttct cattacctac cacccagaca tccacaaagg   240

ccatccctaa aatcaaccac aaagcctacc taccgcactt ccaatgacaa acaccacctt   300

tagcataaac caaaacacca accaagaaat ngaatttgca gtgaaaaagc ctatagaatt   360

caccccaatt ccagtgtcct atgctaactt gctcccatat ctacttgata attcaatggt   420

agccataacc cca                                                     433
```

```
<210>      8898
<211>      387
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8898

cataccatct actatgccaa caaagttata aatgatgcac agatgaatta tgctaccaca    60

gaaaaagaaa tgttggcaat tgtctatgca cttgaaaagt ttaaatctta tttggtaggc   120

tcaagagtta tcatctacac tgatcatgca gctattaaat acttgctcaa caaggctaat   180

tccaaaccaa gattgataag atggattttt ttgttgcaag aatttgattt ggtgattcgc   240

gataaaaagg gatcaaagaa tgttgtagct gatcatctgt caagattagt gaatgaggaa   300

gttacagcaa aagaagtcga agtgagagat caattccctg atgaatcanc tattttaata   360

agtgaaagac cctggtttgc tgatata                                      387
```

```
<210>      8899
<211>      435
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8899

acacttaggc attctntgga ttatagagac tagatctttc aaatgttgtt atagaaacgg    60

attgaaaagc atctgtggat agttttcaag ctgacactaa gggctcaact gatttccatg   120

ttatcttgaa tagttgtaga gatcttcttt catcaattcc aaactctaga gtgagttttg   180
```

```
taaagaggca agttaatcat gttgctcaca accttgcaag ggcatcaaga ttttatgcta    240

actctcgtat cttttgattat attccctcat gtattgtttc acaaattgtt aacgaaataa    300

tataactttc ctgtaaaaaa aaaaaagctt aagctgtaaa gtgaaagcac atgaataatt    360

gtatatctaa aatatcctct cacacacact ctttaaaagc ctaaccctac ctttgctaaa    420

tttacttaaa aaata                                                     435


<210>      8900
<211>      470
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8900

cgtacatctt aactaaaatt ggaatcctct tcctacgtac ctatctagga agctatagca     60

agtaaaaaaa aaaattgacg atgagagaca agccatgcca tcaatttgtc ttctagaaga    120

gacagtatcc aaaaggcgac gaaatgaaca taggaaaaca tggtcttgta ctcttgttgc    180

acaaaagtga acgagacaga agaaaagtct ggcatcatgg aaatttgcat acattgaagg    240

cttgcattca tattatagaa gagaaaaaag aatagtataa ttgcaggcaa acttatatac    300

attattatag ggttcatgag tntttgtttt actgtaccat tccccaaagt aaatgtactn    360

attttggatt gaaaaaaaaa ttggtggaca ccaaatactc gataacatct atagaggagc    420

ggantgagag agaagacact actattagta taatgagaaa tgctctatgc               470


<210>      8901
<211>      478
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8901

ttaagtcacc tgcggcatgc aagctntaag agcaattcct ttctttntct tatcattctc     60

ctcatgttga ttcaatctca tcaattccat ttcatgttcg tgtaactttc caaacaaagc    120

agcaagagac atgttagata gatctcgtga ttcagtaatg gctgttacct tgggttgcca    180

ttctctgctt aagcatctca aaactttatt gataagatct tcatttggaa atgttttttcc    240

taaagatgca agatgattaa ttatgtgtgt aaacctcttt tgcatgtctt gtatggtttc    300
```

```
atttggattc attctaaata attcatattc atgagtcaaa atatttatcc tagatctttt   360

cacatttgtt gttccttcat gggttacctg taaggtatcc catatatnct tttgcatttt   420

acaatttgat acactaaagt attcattcat cgctaaagca gatgtaatta tatttttg     478


<210>      8902
<211>      373
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8902

gggccaatga ctntcggttt ccacacctga gttgacttcc gtaccaccgg ctcactctcc    60

ttagatattg gccccccggg catcttcttc gcttgatctc tttgatatcg aggaagattt   120

gcaaaaagct tatcccttcc aatgaaaata ttgtctagct tcatggcgaa tcgttccggc   180

tcttgaatcc ggcaaaaacg agcaaaaccg aatcttttac ccatcctatn tctccttgtc   240

ggaatcacca cctcttgcaa gtcaccatag ctcctgagac tgttgaacaa gtgcttcgca   300

ttcatctcct ccgcaaaatt ggtaatgtaa atcgttgttg attgtagttg ctccttaact   360

ctttggtccc tgg                                                       373


<210>      8903
<211>      438
<212>      DNA
<213>      Glycine max

<400>      8903

cttaagtcac ctgcggcatg caagcttggt tcccaacgct ttgttcagac tctcctaaaa    60

tctagaggtg aatctaggat ctctatcaga cactatgcta gatggcacac tatgtaatct   120

gacaatctca ctaatataca gggaggtcaa cttctccaag gaaaatctga tcttaatggg   180

aatatcctta gggaacactt caggaaactc tctgacaata gggaggtcac ccatggaaac   240

ctttgtctct acttctaggt tagacatgat catgtagact taagcatctt cttttaaaga   300

tgtcacaact tggttggcaa agataaacat cctatcctta ctcactccag aatcatcaaa   360

cactgcattt ttattaaaac aatttaacaa gacatggttg gaagataact agtccattcc   420

cagaataaca tcaatttg                                                  438
```

<210> 8904
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8904

ntcatttatt attctntgct aagcaaagtt atcctatatt tgagctctat tgtttattca   60

ctcattgagt gttattgaat atttgtgttc attcaaactt ctatttttga aagccaagag   120

tggtttagtg ttaaacaata gttgagtttc ttagatttac ggggagtcta agaaagtgtc   180

agaagttgta ttaagaatac ttgtatagct acgagtgcgg gtcacgatac tcgttntgta   240

atgaagtttt gattagtgca accctttact tttgactaaa ggagaattgg gcgtagctta   300

cgttgagtga atcaatataa accaagtgtt tcaacttctc tccttaatat cttattaagt   360

attctatcgg cactctctat ca   382

<210> 8905
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8905

agctcgcctc aaagaggtcc aggaaggaca aggcggccga aggaactatt tccgccccgg   60

agtacgacag tcaccgcttt atgagcattg tgcaccagca gcgcttcgaa gccatcaagg   120

gatggttgtt tctccgggag cgacgcgtcc agctcaggga cgacgagtat actgatttcc   180

aggaggaaat agggcgccgg cggtgggcac cactggttac tcccatggcc aagtttgatc   240

cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca   300

tgagatcctg ngttaggggt cagtggatcc cgttcgat   338

<210> 8906
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8906

tgtgttttcc cttgtagaac tactaactgc agtaacagat tctcctgaaa tctgttgagt   60

cccacatcga gtagaagtgg aaaggttgag caccatataa gtgaggagaa gacccataaa   120

tctgagcctt aaggttttgg gttagagtgt gatgtcagat ctccttatgt ggtggctcgt   180

ggtccacagg tgtacccctc gaatctcccc aacaattggt atctgagctg atggttcaag   240

ttggtgaccg gctcagacga gtatgcaagt actgcaggtg gccaaaatgg ctagcggcac   300

agcgtgcccc gcaggtggag cggngtggcc agaatggcta gcgggcacgg caagtaccgc   360

aggtggccat ggctatactt gtggatgata a   391

<210>   8907
<211>   256
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8907

agctngatgc tgcaaactta tctgtatcca agattggaga gcacatgtca ggaggttcta   60

gtggcggctc ctcagctggt ggttctcacg gaggcgacca ggctcccgag gcagaatacg   120

atgaggagaa gaagtaaggc gaggaggggt ttgtatccac ttctactgag ttattttggc   180

tagagttaga gatgaatcat ctttttttcat tcagcatatg atataaggta ttttgtacta   240

caaggctgga gttcat   256

<210>   8908
<211>   405
<212>   DNA
<213>   Glycine max

<400>   8908

gtaactacat atcttctagg tgtctgagtc atgttaaaag catttctacg gcagatggaa   60

ttaagaggaa tgatctaccg gcaagatagt tatagcttct gcccttgata caaggggta   120

ggcgaacttg gacagcctgt gaacaattca tcccaaaact caaatatatg ccactaaatc   180

acacaagtga tatataaatg acatgtgtga aaaaattcat tattttgaca tttagaatat   240

aaaaagcttg tgatatttca caggctataa tgtcaagtga aatataatgg ttacccaagt   300

attcatctgc ttaaagtagc taaatcgaca gcagaaatca tagagcaact gaagagttcc   360

actcttcttg ctctaataca ggaaactgaa gagtctggtg aggag   405

<210> 8909
<211> 391
<212> DNA
<213> Glycine max

<400> 8909

agcttaaagt atgcccgtgt cattcatccc tatgagatgt tgttgaagta ttggcgatca   60

gaattgccat tccttggatt ataggattga accaagctca tgcttttaca aaaaggttca   120

tcaagtcaag ttgaaatacg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaatcg   180

agtcacatca ctgcttcatc tactgccaaa catatttagg attgttgaag tccttgctac   240

ttccagtttc accttgacaa agttgtcatg gaccatgttg aaaatctaaa ttgattcaac   300

cccatatcct gcgtaaaaat tcgcaatact tcaactttac atcattcgca tgcatccatg   360

cttttcattg gttgcattgc tcattgcatt c   391

<210> 8910
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8910

tgtagaatgg ctagacatga tacatgtctn ggtttggttc ggttcaagga taaaagggat   60

gccccacatt atttccatga cacaaatgca aaaatgatga ttaggaaact ttatgcaaaa   120

ctggtcatgc atgcacctat gtggacactc aagtgtcaaa tctttatggt catgtgatgc   180

taaggctcaa gattcatttc ctctatttta gtcaacccaa cgttccaaa atatgttctt   240

ttatcaattt gtgcattcat ccgagtccat tctgggcgtc tgggaaaatc ttcacagcat   300

tcacccttca ggtgtataca cattttttca aaaactagtt atgatcagtg aattttttta   360

aagaaagttg gaagtcatct ctcttcaaaa gcatgttggt tgttcagctt gacaacttat   420

actcctcttt tctc   434

<210> 8911
<211> 306
<212> DNA
<213> Glycine max

<400> 8911

agcttgctcg ataagccatt gatgtccagt atagtagtcg cgctaagcgc aaatccttat   60

ctgttttgaa aatttgtgga attgggcata gcgagcctgc tcgctaggcc aattctgcag   120

aaaaaaatgg atttgtgttc actcgctaag tgtgtggtag ccacacgctt agcgcataag   180

tcattttcc taaggcacgt taagcgagtc acttgcgcta agcgcctaga ctgaatttca   240

attttgttta tgattcttaa tttgaataaa ttcttgtcta atcttatgtt tcgattcttt   300

tgtatt   306

<210>   8912
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8912

tggcttagca tangtctaaa atattcataa cagaagaggg tctatgctta tcgcagcatg   60

gcacgcttag ctcagcctct ccaaaatgac ccttacgctt atcgcacagg gcgtgcttag   120

cctaactata aaaactaaaa aacagttaga gagttgagct tatcacagca gggcacgctt   180

agctcaacct cctcgaaaca caactatggc ttaacgtggc aggctgcgct tagccttatt   240

caaagagtta aaacacaaaa cctagatggc gcttagtgca gcaagttggg cttagcacct   300

aaactactct aagtgtctaa aacactaggc ccgcttagcg cacagatgca cttagtgggt   360

tcatcatatt attcatcagc aacgatgaac gcacttagcg tgatcatatg gaataccaaa   420

naaattaat   429

<210>   8913
<211>   170
<212>   DNA
<213>   Glycine max

<400>   8913

ggacgactct tgagacttgt tgagagaatg ggccatgtgc ccgccatttt cctctgtatc   60

caattaaatt ccaatacgca tgagagggag cataggcact aggtagcatg gcccgcacct   120

tgtaaggatc atatcatacc tcatgctaca ccccatccct gacccaccac   170

<210>   8914
<211>   510

3788

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8914

cgacgcggca tgancccttn ntgacgcatt gatcagtgac cttgaatctc agctaaatat   60

acgattctat tatactcagc ttggctcact tatcttcttt atatagccac cttttgacag   120

atacactata gctatcttca cacacttcta ctgatgctct acgcccatga taaatgcctt   180

atgtgaccat aacaacgcgt tcatacacct actacttatc atggctcgga ggacgccgtg   240

aatatactat actattgaga attacgaata taagggccga agggaaacta ttgctattgt   300

aacatgtact cataggagcg tatcccaact tggaccatgg actcattana tctaccctac   360

ggttcatgag aatctctcgg caatggttat gagctatatc tcaagcctct cgtagtgttg   420

tagcgaatac actagtgcgg tgcgagttga tgatcccctc caccttcgga aggattggaa   480

ctgatatgcc gaggttctat gtactttatn   510

<210>   8915
<211>   229
<212>   DNA
<213>   Glycine max

<400>   8915

gacaatcctt tgtctctcac tcaatcctta ggcccagcac ctagatattg agtgtgaact   60

acgtataaga atggacgatt tcccccttga ctgtgactcc tgaacacaaa agtatgaaag   120

ttgcacagac ccattggcgg gctattgacc aaaggggcac cggccggtca caatgatact   180

gtgagtacct agcggttgcc gtggacgacc gttaccgtac gtctacact   229

<210>   8916
<211>   204
<212>   DNA
<213>   Glycine max

<400>   8916

agggacatat tgacagaggg gggttcacta cattgacgga tgacctaagg agatacattg   60

agattctaga tgtatgtcag attacgatcg ttcatcgaaa ctacgcgaag tgtgacacat   120

gcttatattt ataggctagg catctaactt gagaagatac catgacatat cattcctgag   180

aacctggagc ttagctacat acac   204

```
<210>     8917
<211>     125
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8917
```

tgcttatgca cggaatatgt aattatgaaa ttgagatgcc tgaagaaaca ccatttccta   60

gttaaccatg ccttaggtac catcttcaat tattgtgttt tgctgccgng tcatctcctc   120

ccccc   125


```
<210>     8918
<211>     401
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8918
```

ntgatctacc accatcgcca ccaccatcat cttagttntc tattatgtta tattattagt   60

actttgattt ccagcgttgt attttggcta tattattatg atatttgaac aatttactat   120

ttccttattt gcatggtatg tttgaacaaa tattaagtat gttatttggc tatgtggatg   180

ttatagttaa tctattcatc attgctgctt catgatttgg ttgatatttc tccatacatg   240

ttgtatggat gcttagttat atgtgtatgc ctcaaatttg ttacacactt tggctttttg   300

ttgatgtcaa aggggggagag aaatatggac taaatcaaga actcacatga gtaatcaact   360

taatcttaag agaagcatan attcataaac aaaggggggg g   401


```
<210>     8919
<211>     450
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     8919
```

agcttccatc acanaatagc tactaaggtc ttgttgtcga gattnttctg gccaacactt   60

tttaaagatg cccatcacca tgtcttaaag tgtgatcaat gtcaaagaat ggtggatttc   120

ccgaaggaat gagacgcctc ttcaaaaaat tatggaggtt gaagtttttg attgttgggt   180

```
tattgacttc atgggtcctt tcccctcatc tgctagtaat aagtacatcg tggtagctgt   240

agattactgt gaatgtatgt atacatgatt ctgatgatgt caaaagaaga atcaaataag   300

gctcatttgc ttcaagatta atacaagatt gtntcaacaa ataaagcctt gattcaagat   360

gtcttcaaga tcaagtcttg cctcacaatg aaaggtttca agtcatccaa ggcatatgta   420

atcgattacc aatacatgtt gtcataccct                                    450
```

<210>   8920
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8920

```
gggagaggat gcttcaatgg agganaagaa agagggagag atttagagag gggggagcac    60

gaaattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct   120

cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc   180

ttgagaagat ttcttgagaa aacttccttg agaagctaga gcttagctac atacacccct   240

ctcataacta agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga   300

gcttagctac acatacctct ctaatagcta agatcacctc catgagatga gaagctagag   360

cttagctaca cacccnctat aatagctaag ctcacccccca tganaaaaa catgaaaata   420

cagaaaaagt ccttactaca aagactactc                                    450
```

<210>   8921
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8921

```
atatccaaaa cctatattca atttttggat tatgcttaat gagttttgta tatttgacat    60

gtgaatcaag attctaatat atactttaga ttattattat tatatcatac cttatataat   120

atatggtgat tgcaatgaaa gtaaaaataa tatatctcga tcatcgtgtg atattggatt   180

tggtgtacat gtgaggtatt gatatatata tatatatata tatatatata tatatatata   240

tatatatata tatatgtgtt tattatatat tggatatata aatagtagat tatttctttc   300
```

acatattaaa atgttatACA aatatagatt aaatatgtga atgataagat gttaagggaa 360

tatttattag atgtaacata ctttgaatag cattgtagac gaaaactatc gtgtcaacat 420

cgctatataa attgatgacn 440

<210>   8922
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8922

ntctcaagag gattctntga gaagctagat ccttatctat ccacacccct ctattaacta 60

aattaacttc cttaaaaata attacggatg aaaataacgc aacaaataat caaacatcaa 120

acataattac taataatata tagatatata tatcagggtg ttacagttat catctttgtt 180

atcattaaaa catctttgaa tcactcttga ttcaccatga agctttgctt ctacactacc 240

aaatagaaca tttttttatca tcacaaagtt tatagcttat atattagttg aattattaag 300

ttcatatgtt tttcttcatt tcttcaaatt aatttgacat atgagggtgt acttatttaa 360

aaatcgtata aggaatttgg tccaaattcg gttagttgaa ataatttccc ctcatatatg 420

atatatacag gaaaactcag tagtaagaa 449

<210>   8923
<211>   407
<212>   DNA
<213>   Glycine max

<400>   8923

agcttaggtt ggaccgacaa tgcaccaaat tacccaatct ccttcctatc taatctctaa 60

cccccaatcc agtttgctgc actgatgtca cccttattcc agttcctcaa atttatccac 120

ggtatcattc acttttcaat aatgtctatt atttactaca aatatgactg tctattagca 180

tatccactgt tctaagtatt gcataccact tcttagaaca tgcttaaact acctacgtat 240

gtaaatacta ttttattata tgcaccgagg caatagtcaa taatgcatgg aaaaacacaa 300

actgaaagag taaagaacaa ttctccaata taggagttgc tcagcgtgta aacactgata 360

tccataacaa ttctctttgc caaatactac atccacgtta actagtc 407

<210> 8924
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8924

ntgccatgtc ccttctagaa agcacatgca taacgaagtt cctcanatag tcatcatcan   60

acctagacct caatccgaaa cacacgacca tctgcagaaa catgacgact tcggcagcac   120

cactctctga ttccccatcc anatgctcct tacacgtttc cacaaccgca acggctctct   180

ccacgatctt tctagaatgt tcccttgact ctgacgaaac catcagcgcc tgtatcacaa   240

gcccgcacgc ccacctctta tccgtcaccc cggacttcgc caccttgctc ttcataaact   300

cctacactgc ctctaccacc agccgcgccg ggtccaccgc ttactccatc gccgccgcta   360

tctccgcccg c   371

<210> 8925
<211> 393
<212> DNA
<213> Glycine max

<400> 8925

agcttacctt caattattgt gattcatggt atattgtcta attacacttc ttacttattc   60

atacaatact atgtttcaga tttatccata cacttgttat tatggataaa aataaatgaa   120

atacttttac actcaatctt attactataa aaatctctat tgaatctcac tattacattt   180

gattaccaca ttattataat taaaggatat ataagggagg aaatacttta taatgatcag   240

aggagggaat aaggtgaaag gaaagaagat atagggtcat aatgtcatgc acaaccagtg   300

tatctcttta taccatgtat aataatacat cagtctcttt ataccatgta caactagtac   360

atcaactatc ttatacattt gctcaggcct tta   393

<210> 8926
<211> 424
<212> DNA
<213> Glycine max

<400> 8926

tttgtagata atgttaatgc ttcacctgta ccgttgaatg tgttgtcagt gccatggttg   60

ttcttaatgt ggggcataga tgtgattggg gctatcgagc ccatggcttc aaatgggcat   120

tgtttcatcc tagtccccat tgattacttc accaaatggg tggaagctgc ctcatatgct   180

aatgtgatta cgaatgtggt ggttagattc atcaacaagg agataatttg tagatatggg   240

ttgcctagaa aaataatcac cgataatact actaacttga aaacaaaat gatgaaggag   300

atgtgtgggg atttcaagat ccaacaccat aattcgacac cttatcgacc caagatgaat   360

ggtgaagttg aggctgccaa taaaaatatc aagaagctca ttcacaatat gaggatgtca   420

taca   424

<210>   8927
<211>   340
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8927

gctgctacac agagaacaca caaaacatca ttacatagat agaaatatat ttacatcagg   60

tacctacagg gaagatccaa tagaggattt agctttccat agtccggaaa ccttctttac   120

aacacaaaga agaacaagat gaaagattgc aaaaatacaa gtggtgagga tgtctccttc   180

acctctaggg tctcacaatc actcacaaac tcatctcaag ctctcagaac ggcttccgct   240

tcgagctctc atctctgcag atcttcacac aacaaaatct ctcaaaactt tntggaactt   300

ggacctttct ctctctagaa cttcctaaac attcaaaagc   340

<210>   8928
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8928

gtgatggtgt cgagaagaaa tcacatgttt gtcatcatca aaaaggggga gaatgtgaat   60

gtatgtatac atgattntga tgatgtcaaa aaagaatcta acaaggctgc ttcaaatgat   120

aagcatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat   180

tcactaaaga ccaagccttg ccttaaaaca aagtgatttc aagacatgca aggctctggt   240

aatcgattac caggaagtgt aatcgattac cacaagacgg cgttgagaaa tagctgttga   300

aaaaggtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt   360

accagcaacg aaactttgga aactcanatt caaaagtcat aaccctctca aatataactg   420

tgtaatcg   428

<210>   8929
<211>   349
<212>   DNA
<213>   Glycine max

<400>   8929

agcttgaggt tataagggta ttggttgaca atgctcgaga atataacatt gtgcgataac   60

tattgtgttt caatggcgcc aacattgcca atcctcatat acatgcgtga gaatgaggga   120

atgtgataca ctataatcgt gaaccgtggg tgaggaatgg ttatttgaaa ttaaaagaga   180

ctcatttata gaatgttata ttaaataagc gttttaaaga aaattcaatg gctactgtca   240

atctttccag tgggcaggat gataacgtag gaggacaagg cttgcccatc atcccttact   300

cacagatacc acactttctt ccaagggtac ctagaacatg ttaactttt   349

<210>   8930
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8930

ctaatagtag ggaaagagca cacaagatgc tattgtgaaa agagaaaaag ttatagaaga   60

cttgaggaga agaaaagaan atgagatagt tgtatgttta gacaactcgt acaattttca   120

aatgtttgaa aactccctcc aacagccata aacaactaac ttccaagctt atttaatgag   180

atcaatttga acgagcttgt tgcaacgaag gagtgccaca aagagatggt ttggtcataa   240

gagttgagta gctcagaaag atacctcata tatataaaaa aaacttctta gtcaaaacac   300

tctacgttag agctaaacct tgtcgatcca nanacaagtg taaacacgtt catcagagga   360

gtcacaatg   369

<210>   8931
<211>   385
<212>   DNA

agctgtacag cagatttttt aatgacccac tatcctagaa ttaagataac tcaatgccat   60

taacctatgg aattaaaaca aacttaatgg ctgagtgtaa ctgatatagt aggaaccaat   120

atcacccccct acatcctaca tgtcaaccac cattaggtct cccaaaaggc tgatgcctac   180

attgccaaat gggcccttat tacaacttga actgaagccc tattagttga ttaacccata   240

acatattttt ggtcagccaa ctttactagg attgggccat tattttgaca aacttaacac   300

tctaaaattg aaataaagag gtgtcattta gtcctccata tgggccatga tacaactcac   360

aaccttggac ttttgtcctt gaaac   385

ntntagcaat tcagatggtc ataacgtttc actcggatgt ctgattcaag cgcataatat   60

atcgagacgc tcgagattga ataatggaag ctattgagca atcccaatgg atataacttt   120

taactctgaa gatcgataga tgcacatgat atattgagac gctcggaaat gaacaacgga   180

tgctctcgag acactcgaat ggtcataact tttaactcgg acgcctgctt gagacgcatt   240

atatatcgtg acgctcta   258

agctngagct tggttcaatc ccgtaatcca aggaatggaa attctgattg ccaatacttc   60

aacaacatct catagggatg aatgactcgg gcatacttta agctatgcat ggaaaatgta   120

attatgaaat tgagatgccc gaagaaacac catttcctag ttaaccatgc attaggtacc   180

atgttcaatt attttgtttt gttgttgtgt gcattttttt ttagaaatgg gtttatgatc   240

```
ccaacatggt tggctcatgg tgcctaacac atgcaactaa gaatgtagtg tgaagttttc    300

acgcttcccc ttttttttgtt ttggtttgta gaggaaaatt gcaggatgaa ccaacattga    360

aaccaat                                                              367


<210>      8934
<211>      434
<212>      DNA
<213>      Glycine max

<400>      8934

ttgaagggac aagtcgagag tggaaagtat gatattagag gacaagttga aggcttgtca     60

aaggtcgaag aggagcttga ccgaatagtt gagaaggatg gaagagaaca tgtgggctat    120

cattgaccag tataaagaga agctaaatct agcagctagc cataagtaaa ggctagagga    180

cgagcattca aaagtatcga tcctacaagt agaaagggaa gcaagggaga gtgtgatata    240

ttcattacac agagaagcta tgatgtggat ggataggttc gctttcactt tgaatggaag    300

tcaagagctt ccaagactgt tagccaaagc caaggcaatg gcggacgtgt actcgactcc    360

cgaggaagtt catgggctct tctgatattg tcagcatatg atcgagctga tgtcccacat    420

aattacgaac tact                                                      434


<210>      8935
<211>      385
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8935

agctntaatg gagcttacat catgtggtat cattcacatc ttcatctagg tgatgttctt     60

ttgcttcctc tatctttttg ttcggtgaat tatctttaat tccttgttct tcatcttatt    120

ctccatgtac atcctccatt gtcttgtggt ttggtgttgt ttagagtaga ttaaaaaaaa    180

taaaccgatt aaatcttaaa tctacacttg ttcttgcatt tctatggttc aaattttgta    240

gatctactct tgaatcatat ttttgtgttg attntagctt ctatcatttt tcattcataa    300

tattcttgtg ctgaaccttt agatctanat tttcttccta aatattgatt agaaaaaaac    360

acaaaaatct aagcggtaat cactt                                          385
```

<210> 8936
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8936

tcaagctttg agtagaacat gggaccactc atttatttan attttnannt tnaannnann   60

nnnnnngaaa tcatatctag tcaaggtctg agagaccata caagtttcct aacgatttct   120

aattatgtgg gccattaagt ctatcatatg ctgacaatag ccgagaagcc catgaatctc   180

ttcgggggcg gagtaggtgt ctgccatcgc cttggccttg gctaacaatc ggggaagttc   240

ttgactcccg ttcaaggtaa gagcaaaccg atccatccac atggttgcct cttggtgtaa   300

agagtcgatc acccttcctc tagcctcttt ttccgcatat acttgggcat actcatccgc   360

gattctatgc tcgtgggccg tggctagacc caactcttct tggtacttgg cgatgatagc   420

taacatgttg gtttctgtct   440

<210> 8937
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8937

agctttcaga aaatgtctat gccgagtgta taccattntt cttccatgtt tcagttgtac   60

gtagcttgtg ttttcttcat agatagggca atcacgatgt cctttaacac tatatccact   120

caaattccca tatgctcgaa agtcattaat ggtacaaaat agcattgcac gcaacttgaa   180

tgtctcattt cgatacccat caaatacaac aaccctctcg tcccacaact ttgtcaagtc   240

ttcaatcaag ggactgagat aaacatcaat gtcatttcct ggttgtctta ggcttgatat   300

catcatagaa cacataatgt attttctcta catg   334

<210> 8938
<211> 437
<212> DNA
<213> Glycine max

<400> 8938

tccttaagaa gattcctaaa gaagctaaag cttatctaca cacacctctc taatagctaa   60

gttcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc   120

tcaccccat gagaaaaac atgaaaatac aaaaaaaaa gtcgttacta caaagactac   180

tcaaaatgcc ccgaaataca aggctaaaac cctatactac tagaatttcc aaaatacaag   240

gcccaaacga agagaaaacc tattctaata tttacaaaga agagtggatc caaccttgaa   300

ccatggactc aaaaatctac cctaaggttc atgagaaccc tagggccttc tttagtagct   360

ctagcccaag cctcttggag tcttctatct aataccctcg cggggtagga atgcatcatc   420

ccctccacct tggaaag   437

<210>   8939
<211>   248
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8939

ttctttaaat tagctgttga agcagtattn tgtacagttc acacacgcac acacacatgg   60

tagcaaggac tccattgcac ttgaagaagt taagtccaat ctctattcta gagagctttg   120

actaaaggca tttgggaatg gtgatgaagc ctttatggtt ggattattgg tgacaaattc   180

tgcttaagga tagaagaata ataaaggaat aggtggcaag aagaggaaaa atgatcctaa   240

gacatctg   248

<210>   8940
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8940

tagctcttct ttgcttatct tatgagtgag ctatgacaaa ctctagcacc acttcttcaa   60

ggataggctt acgatctatg ttcatcatgg tggccttttc acattccttt agagattcca   120

gaacaaaatc ttctacaatg tcttcaaatt ccttcgctgt taaggccaca aatcttacat   180

cctcaactac gtttgtttta tgtnttttag cagataaagc cttccagaaa ctatgatgac   240

ttgttctatt tttgaagctt actatctttc caaggtctga tcaagttttt ccttctctct   300

tgatttagcc aagggattct tattagcctt tcccaaggca acaacttcct tttacttatt   360

```
ggggggtgaaa ctggttt                                                      377


<210>       8941
<211>       108
<212>       DNA
<213>       Glycine max

<400>       8941

attcttatga ttgcctatgc gtggaccctc aagtgcaatc ctccattctt ccctctattc    60

cgagccccat gaatgtcatt gcctactgct ggtcatgtgt cctccacc               108


<210>       8942
<211>       412
<212>       DNA
<213>       Glycine max

<400>       8942

tcggaagaaa gtgatgaggt acaagcccta aaggcagagc ttgaaagagc ctgcgtagtc    60

gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaagggat   120

gtcaatatgg ccaccgatga agccttggaa tgagaaacca agaaggcccg aaaggaagaa   180

cacgaccaaa gcaaagtttt gaggggcttt atagggcagc aatagtgagc tcaagttccg   240

aagaggtgaa aggaatcatc acgggtcaaa ggcatgatct tgaaggacga gctaaaggct   300

tgccttatgt cgaaaagaaa tttgtcccaa cagctaagcg agactgaagg gaatatgtgg   360

gccatcatcg ataagagcaa agagaagcta aatctagcgg cgactcacga gc           412


<210>       8943
<211>       103
<212>       DNA
<213>       Glycine max

<400>       8943

ataagtttaa gaatatacag catatagttg gcccatgata tattacttta atgtataagc    60

tgctctcttt tcatgatagg ttagcacact gcacacatct ttt                    103


<210>       8944
<211>       475
<212>       DNA
<213>       Glycine max
```

```
caagcttgtt ggagtagaaa catgggacca actcattnta tttcaaaatt gatagtcgta   60

tctagtcaag gtctgagaga ccatacaagt ttcctaatga tttctaatta tgtgggccat  120

taagtctatc atatgctgac aatagccgag aagcccatga atctcttcgg gggcggagta  180

ggtgtctgtc atcgccttgg ccttggctaa caatcgggga agttcttgac tctcgttcaa  240

ggtaagagca aaccgatcca tccacatggt tgcctcttgg tgtaaagagt cgatcaccct  300

tcctctagcc tcttttttccg cgtatacttg agcatactca tccgcgattc tatgctcgtg  360

ggccatggct agacctaact cttcttggta cttggcgatg atagctagca tgttggtctc  420

cgtctcgcat aaatgctgag acaagcttct tttggacctt gaaacaagca ataac        475
```

```
gtcctaaatg acatttcaag ctaatattaa ctctctttaa cctccattta ccacagaatt   60

cagacttaac ctcattctaa atttcacttt aacctccatt taccacagaa ttcctacaag  120

tcccaaatca tgtatcaatc atgtctaacc caaaatcaag cttcaaaaca caccaacaca  180

gaatctaggt gtccaaaacc cctcaattca atgggttttc taggtttgaa aagtgaaatt  240

tataatgagg taaatttgaa gcaaactctc acctcacaca agtccataac atcaatctaa  300

actcgctcaa actgaattta cacctaaaat tcaaccgaat caaaatttga ctcctccaca  360

cccaattntg ccctagaaat ggctctntgt tcactttgat cattcgttct tctctctagc  420

acagtccaag ctttctccca agttctaaat gaca                               454
```

tattgagana acttccctga gaagctaaag cttaactaca cttatcccct ctaattgcta   60

agctcacctc cttgagaagc tntattgaga agctagagct tagctacaca caccctctа   120

ataactaagc tcacctcctt gagaaggctt ctcgagaagc tagagcttag ctacacacac   180

ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc   240

ctataatagc cactgaatgt cgcgcttagc gaatgctcgc taagccagca gattggctta   300

gtgagaaggt gagaataaca cttttgcaat ttggctaatt aacct   345

<210>   8947
<211>   189
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8947

agctttcaac aagagtcttc acaaataact attatgaagc agaaaactaa caaagctacc   60

catcatatct cccaaaaccc catacccacg aaaatcaagg gagaaagaag tccacccaaa   120

cctgaaattt cgaagtccca ctcgtagaca cgcacttnac gaccccgaaa atgctctcct   180

tccacgatt   189

<210>   8948
<211>   414
<212>   DNA
<213>   Glycine max

<400>   8948

actttgtcca gacaatgtta gagagactag tgcatatgca ctgaaagtgt accgcgatgt   60

tatacattaa atcaatcata tgctgacatt atcgcgagaa gcccatgaat ctcttcgggg   120

gcggagtagg tgtctgtcat cgccttggcc ttggctaaca atcggggaag ttcttgactc   180

tcgttcaagg taagagcaaa ccgatccatc cacatggttg cctcttggtg aaagagtcga   240

tcacccttcc tctagcctct ttttccgcgt atacttgagc atactcatcc gcgattctat   300

gctcgtgggc catggctaga cctaactctt cttggacttg gcgatgatag ctagcatgtt   360

ggtctccgtc tcgcataaat gctgagacaa gctctctttg gaccttgaac aagc   414

<210>   8949
<211>   287

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8949

tgatcttgat tcttgctaag ttctgtaact agcttagaac aatttacttg gccttctctt   60

aattgtctnt gggcttggcg accacgatca acacagtact ttcggcacct actatatgtt   120

gacttgacca acgctgctat tgtaacgctg cgacaatctt tcaacacctt attgacacaa   180

tctgcgaggc cggatgccct ccattcatag ggttttctac gtttgaaaag tgacattcac   240

aatgactgtt atttgaagct aactctcacc tcacacacgt ccataac   287

<210> 8950
<211> 450
<212> DNA
<213> Glycine max

<400> 8950

agcttctata taagctgatc tcattctatc aatttataca agttgagagt tatggactga   60

gagaccatac aagtttccta atgatttcta attatgcggg ccattaagtc tatcatatgc   120

tgacaatagc cgagaagccc atgaatctct tcgggggcgg agtaggtgtc tgtcatcgcc   180

ttggccttgg ctaacaatcg gggaagttct tgactctcgt tcaaggtaag agcaaaccga   240

tccatccaca tggttgcctc ttggtgtaaa gagtcgatca cccttcctct agcctctttt   300

tccgcgtata cttgagcata ctcatccgcg attctatgct cgcgggccat ggctagacct   360

aactcttctt ggtacttggc gatgatagct agcatgttgg tctccgtctc gcatatatgc   420

tgagacaagc tcttgttgac cttgaacaag   450

<210> 8951
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8951

ttaggcanat tcaaacgaca ataactttnt actcggatgt cttattgagc gtagtacaaa   60

atcaagacgc tggtaaatga aagtttaacc tacatctacc acagaattcc tacaagtccc   120

aaatcatgtg tcaatcatgt ctaacccaaa atcaagcttc aaaacacacc aacacagaat   180

3803

ctaggcgccc aaaaccccct aactcaatgg gttttctagg tttgaacagc gaaatttata 240

atgaggtaaa tttgaagcaa actctcacct cacacaagtc cataacatca atctaaactc 300

gctcacactg aatttacacc taaaatacaa ccgaatcaca cattgactcc tctacaccca 360

actttgccct agaaatggct ctttgttcac ttggatcatt cgtcttcttt tagcacaagc 420

cacgctttct cccagtccta at 442

<210>   8952
<211>   63
<212>   DNA
<213>   Glycine max

<400>   8952

agctttctt tctcaatcat acctatttac tgactataca actctaattg taagttcaca 60

ttc 63

<210>   8953
<211>   73
<212>   DNA
<213>   Glycine max

<400>   8953

gatctctcta tgggttgatg caatctctct cgtgcttgtt tgtgtaaatt agtcatcgtg 60

ctcaaatgct tgt 73

<210>   8954
<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8954

ncctgttctt tttannnncg aggannagcc nncaaagann ccctcataac cacccttaat 60

tctccctgtn agaagcatcc tatcacccgt tagatctggt gacgtcgctg tggcatcacc 120

aattaaatct tacccaacag tgcgacacac actcactgaa tggcagacct ctattttaac 180

ttagaccagg ctctattaaa ccataaaatc ttcccgcctc ggggtacacc tgtattggca 240

aacccccaa gggaaatagt cattccctta ttacttctac aatctggtgg aactggggcg 300

taaccctaac gtcattccca gtgggagaga tgactagcat tttaatccga cggggggggat 360

gaatttgaat ccggcagaaa ccctctttta atttcgaaaa tctacttctt cccctaaatc 420

tggttgcaaa acgt 434

<210>   8955
<211>   259
<212>   DNA
<213>   Glycine max

<400>   8955

tcgacactat gatacattgt gcctcctcat tgttgaatgg agtagcttca aaactgataa   60

tagacaagaa agatctcata cattgtgctc tatcacaact atgccagttg aacaacctct 120

tgatggcgtg gcacatgcag cacgtgctca cgctcaatat caccaccgcg ctgtccgacg 180

ccagcctctc tatgcgctcc agcgggtccc ccactaccgc cgccgccgcg ttcccagggg 240

ccgtcacgta tcttcccat 259

<210>   8956
<211>   92
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8956

agcttatata tcaaagattc gacaatttaa aagttgttgg ctactcagac tcagattntg   60

ctggttgtgt tgaccttccc acgctcccac ct 92

<210>   8957
<211>   262
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8957

tgtggccctc ctactcatca aggccactac cctctatacg atacaacctc cctcgacact   60

agacaacctc tttcgctcgc aagacggctc agagcttgga gggattatat actatatagg 120

gtccacaaaa tacacgtggc aagttatgtg gcactccaat agacatatca gccctctatg 180

tcagctctag cacagaaaca cgaatgctca aaccttagta gccaggctat taactgacag 240

gntatctcta accactttat ta   262

<210>   8958
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8958

atccttaagt cacctgcggc atgcaagctn taagggaaat taatatggga ttgtgctaga   60

atttagatta ttaacttatt gtaatttaat ttatnttggt gtgaaatggc actatgacat   120

aaccatggaa ctcatcccac ttccttcaaa cttctatccc tctttctttt ctttttttga   180

aacttctcct ttgtgggtga gtttgatcta tgttttttct catatctatc ccaagtcaca   240

ggtaagttag tttttccact cactactaaa aaatatacat ttaacatcgg caggttaaca   300

tcggtttccg aanaaaccga tgttaacaaa agcacggtgg catacttgta ataagattag   360

tttattaacc atcggtttat acaaaaccga tgtaacacaa at   402

<210>   8959
<211>   336
<212>   DNA
<213>   Glycine max

<400>   8959

agcttggagc gctatccgca gactcagcag aagtttttgg gaaagaaatc agactatgtg   60

cacgaatctt atacccaatg ggttattgat aggaccaaga gctttggcct accctaccgc   120

ttacctagat acctatcgtc caccatccca ccatcatcct tgcctatccc cttcgacacc   180

aaggaagagt ttcatgaaca attaaccaaa gaaaggcaag aaaaagaaac ttggaagagg   240

agatgccagg agctcgagca agagaatgag actttgaaag ggaagatagc ccaacagagc   300

cgtgagcttt ttatccagaa ccagaggatg atcgag   336

<210>   8960
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8960

agcttgaacc tcacagaccc aattccaatt atcttttaca ggacttgttg tttccatgga   60

ggactgaacc accaacttgt ttgtcaagat cctcaaacca agacttgttt ggagtcatat   120

gaaatgaaca cccagagtcc aagatctatt tgtctcagtg ttcttatgag acaccattaa   180

agcctcagct gaatcataac catcttcaac tagagtagca tttccaggtt ctttagatcg   240

atcttgcttg tttcctttct gtctattagg acagaatctt cgagtatggc cttctctntt   300

acagtggtaa catctaatgt ttagtacatt agatccaaat cgagtttgtg acttggatct   360

tttcccttct gtcttatcat ccttcttgga t   391

<210>   8961
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8961

agcttcttct tcagactntg tgaacagtgt cttgttattt atcgaanaat catccattgc   60

atcaatgctt gaagaacctg ctatgtgttg gggaatattg gggggtttct tccaaaggtg   120

atttcatagg gggaaagtct ggtgcttgaa tgaattgata tgttatagga ccattcggtc   180

tatatcaaaa acttacccca ggacaacggg cgatggtgaa cggaggctcg taagtactgt   240

tcgacaactc gatttagcat tttcgtctgt ggatgatagg cagagctcat acaaaagttt   300

gtgtcgctga gttggaacaa ttcttgccaa aagtggctga tgaacaatgg gtctcgatag   360

tagaccaagc tatgaggcat tccatgaatt ttcccaacaa tgtccatgaa aaggattgca   420

atagtgtgag tcgtgaagtg tgacttgagc ttggccaggt gga   463

<210>   8962
<211>   437
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8962

agcttgtatt ccaatattta taatcattnt gagagtttag cagctgtttc acccaacaga   60

taataaagat tgatgattaa caatcttgac ttttcctacn aaanaaaaag aaaaagaaag   120

agaacaaagg agttgttgca ttnttttaat tttcaagaac ttcttggcca acaatgaaac   180

```
tgaatttaat tggtcagaat taagccaaat gttcttattc ggtataagta gtagatgcaa    240

aacaagtaag tgaaggaagc agagcgactg gattcaatta tgggcttctc agaacttgaa    300

tcatgtcatt cgatgcattg aatattaagt ttatgttaat gcatcttgtg ggtgcttaaa    360

agcacacaat aatggtaaaa aaatggttca attcacaaca ttaatcctta ctcagaagtg    420

atatctcatg ataaaca                                                   437


<210>      8963
<211>      278
<212>      DNA
<213>      Glycine max

<400>      8963

agcttaactc tattcgcatt cttatctctc ttgctgctac acatcattaa cctttatttc     60

gataggatgt acagaatgct atcttgcatg gtgacttaca tgaagaggtg tatatagagc    120

aatcacctgt gtttgttgct taaggggtgt ttggcaaggt gtgccgctta agggagttgt    180

taaatggctt gatgcaatca cctagatctt ggtttgggag atttagtggt gtggtccttg    240

catttggact gaagctgagt caaagtgatc atactgta                            278


<210>      8964
<211>      450
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8964

agcttggaac accaacttcc aacattatgt ggaatatatt gggaggctct tcataaaaag     60

tgaggttaga ctcatttcca aagtcctttt aaccaaagca tcaactacac cattatgctc    120

cctaacaatt aggactaaga atgaattgaa tcaattcgaa cataatttga gatttgattt    180

gatatttgac tcattgagct tggttcatga accaaatgag ttaaatttaa atttaaagtt    240

gagctcatta aacaaataag ataaacttaa gtcatataac ttgattcgat tgattcatga    300

accaacttga tatataaatc tatctattat tatatctaga ttagatatac ctatctatta    360

atctatacat atatntaaat atttatatta ttgaattcct ataatgaatt ttagttaatt    420

taatactatt tttgcattaa atgaataaat                                     450
```

<210> 8965
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8965

agctttcaca tttactgtat aaataaacaa ctaactaana ctaaaagtta aaaacatcaa   60

ttgaaaataa aatgtatcaa aagcagaaga aataaatcca aatcctatca tggctcgtcc   120

tgtgtcgctt ggggctcatc cagaggtgag gagggagcat cctangctgg ctgaggaata   180

tcctgagctg taacaagcca tgggtcccag gtgctctttg ttgcggtcac atcagctgca   240

taatccgcat cagcagcgcc atccacctcc aaaataggtg aagtaactgg tgaagcctgt   300

ggagtagcca ctggagtggc ctctagaact a   331

<210> 8966
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8966

agctnggaga ggatgcttca atggaggaaa agaatgaggg agtgaaagag agagggggga   60

gcacgaaatt gaatgaagaa taaggcacag aagttgaact gtgagttgtg tctcacaaga   120

ctctcattca tcaaagttac aacaagtgtt acacatactt ctatttatag actaggtagc   180

ttccttgaga agctttcttg agataacttc cttgagaagc ttctttgaga aaactttctt   240

gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag   300

ctttcttaag aagagtccta aagaagctag agtttagctt cacatacc   348

<210> 8967
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8967

agcttcattt ctgatcacta agcgacaact tgtccttggc taagcatgac ctagtgtcac   60

caagcacaat tccttacgac cataactggt gttcatgaag ctaaacgcca ttcatggtag   120

ctaaaccgaa ttccttacgg caatgtgaac gctaagcgag tccttatcag ctaagcgcat   180

gctcctctgt acttaagatg catcattnta gctaagccag ccattgcctt gcttagcgag   240

agttgncaac ttttctgatc tacaaacctc gctaggcagt cttatcctag cgctaagcca   300

agcatgtgtt gttaaaaaaa ctga   324

<210>   8968
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8968

agcttataag gtttgttgcc agcagcattg aatgattcaa tgaactccac attgtccttg   60

aatatctgga aacgttnttc cttctctgca gcatccttat atatttttcc atattctgcc   120

atccaatttt catgtctttc tcgcaaggct gtttgatgca gcttgcggng catcacttgg   180

gaaatcccaa ctgcaaggaa aaggaatagg gctaacatgt gttgctnttg gccagtgaaa   240

gccatttctt aattatcagc aatgatcagt tttgtaagaa aaggcttagt tggtatattt   300

gtgtaaagag agaaatgtga attggtatgc attgaaatga atgaatctgg agggttatat   360

agagatcata gtaccttatg ctatgg   386

<210>   8969
<211>   380
<212>   DNA
<213>   Glycine max

<400>   8969

agcttctagt tgtgcctata ttgcgctctt tttctgagca gcaaatgctg gtctttgcac   60

catctccatc tgggtttcgg aaggtaccct cgctatgcat ttgatgtctc taattaatat   120

atgttgtgga tagaattcaa tgtaaaatag ggaaataagt tttagttaat tatttgtaaa   180

actgttttta tttattttaa gcatttggcg tgccttgtct tggtctctat tcattctttt   240

gaaaaacctt gtttttatctg atcatgtcta caaatttgaa taaatattgg tcgtgttatt   300

ttgagtgcca gtagggttat gacatatgga ctcgatttta tattgcttaa ttttaaatat   360

gcaaacgtca tcgcttgaag   380

<210> 8970
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8970

agcttgttnt gatattcatt caaactatnt tgaattagat cctatataat ggctggaaat   60

taccaaacct ttgcaaaagt tgcttctata aaccaacccc ctcttttac tagagaaaat   120

tatccttttt agaaagtccg cacaagaatt ttccttgatt cattgataga ggagtatagg   180

atgccattgt aaatgatttc tatgttccta agcaagttgg tgatggaaaa aaggtagaaa   240

aagattttat tcatggacat caaaagaaaa tagtcaagct caatataatt ntagagccta   300

aaatattctt tccttcgctt taacactnga tgagttntat gattattctc aatgtgtaga   360

tgccatagaa aattgggaaa tcttagaagt gactcgtcaa ggtactaaga aagtcaagag   420

ggcaagagag aacactc   437

<210> 8971
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8971

agcttcacca ccaagagtat cttggataag aagcttagag aggaagtttc aatagaggaa   60

gagaatgaca gagagagagg ggggcgtggg aattgaaggg gttagggaga aaagntgaac   120

tttgaagtgt gtctcacaag tttctcattt atcaaagtta tgacaagtgt tacacatgtt   180

tctatatata gcctagcaca tatgaagctt ccttgagaag caaggaaggt agctttcttg   240

ggaagctaga ggaagatagc tttcttgaaa agctagagg   279

<210> 8972
<211> 375
<212> DNA
<213> Glycine max

<400> 8972

agtcacctgc ggcatgcaag cttcatgatg atgaatcaag ttgattcaag atgttttgat   60

attgacaaag atgttgacaa aaaacccaaa gaatgatttc aagattaaat caagatcaaa   120

```
ttcaagaatc aagagaagtt tgatttcaag attcaagaaa agatgaattc aagttccaag    180

agaagaaatc aagaagactt cacaatggga agtattgaaa agattttta aaaaacaaac    240

atagcacaat tttgttttc acaagagttt tcacaaaatt ttctatgtta ccagagtttt    300

tactctctag taatcgatta ccagtttcct gtaatcgatt actagtggca aagtttgatt    360

ccaaagctct aactg                                                      375


<210>      8973
<211>      435
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8973

agcttagacg accttgtttg agtcgagaat actttattat ctattnggac aaattagaat     60

atgatgtaga agaaatgaa tgtgagcctt tctcccttt gaaagacttg taaaaaaaat    120

gtnttaaaaa tactcttaat taatatttga agtttttcc ttattagtat atatgtgagg    180

ggtagagggt gtcacagatc ccctgactgt gtcggagtca taaacggatg tgaaatcatg    240

tagaaccact ccatgtaatc tgatgaacat tggccagcca ctacacaaat tttccctaca    300

ggtgcaatat agtcaccgaa ctgcatccat ctagcatcca tttcttcaac ataagctgaa    360

ggcgctgcag gatgtggcga aatggtctgg atgtnaccca actatcatat aaccctcttc    420

ggtcagtgaa tgacc                                                      435


<210>      8974
<211>      462
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8974

agcttgaaag ataagttgaa gatctgatga agagtatcga tcagtgcgtc atacgtgctc     60

aacgcaacac agtcactcag caggcaaccc tcacttagtg caaagaagtc acatgaagaa    120

cttgatattt gaaggcatgc ttagcgtgag tcacgcacta agtgtgtgac catcgactca    180

ctcgcttagc acagtagtcg cgcgtagcac aaggttgcat aaaatttaag ccgacttcac    240

ctataaaaag aggaggaagg aaaggaaaag gacacaatga atatccatga tattaaagtt    300
```

3812

```
tcccatagaa agcaaaagct aggattcatg caggataagt gaaaccaacc tttaggagtc    360

gntccttccc ttcatcttca ttcttctcta accttcttca cttccattat cctcttgcaa    420

ttgtaagcct ctcatgacaa tgagagacta aaccttccat tg                       462


<210>       8975
<211>       450
<212>       DNA
<213>       Glycine max

<400>       8975

agcttgagga gacgctttat cagttcatgc aaatatccat gtccaactat aggagcatgg     60

agtcttccat caagaacctg gagatacaag tgggacaatt agccaaacaa atggctgaaa    120

gacccactag cagctttaga gccaacatag agaagaacac gaaggaggaa tgcagggcag    180

tgttgactaa aagccagagg aaagcgcaag gagaagaaaa gaaagatgaa ggatactagt    240

ctaaggaaga aagggtagac aaagaagaaa agaaggagga agaagagaaa gaaaaagaaa    300

agaaggtctt aacctctaag accaaaagct agctagcccg agaggctggg aaaaaagagc    360

caccagcccc tctaaaggat tccccatatc ctttagtgcc gtcaaagaag aatatggagc    420

gctacttcaa gcgtttcttg gagatattca                                     450


<210>       8976
<211>       185
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       8976

atttcttgga tgatatctcg cggcgtcata ttgattgtcg gacatcatac tgctgggttt     60

ggaaaccaaa acctaatggc catttgtcta ccaggagcac atactgtatg cttctataag    120

gagcagccga tcagactgtg gatgaggctt tagaggacct atggcagctt anaatccctt    180

taaac                                                                185


<210>       8977
<211>       192
<212>       DNA
<213>       Glycine max
```
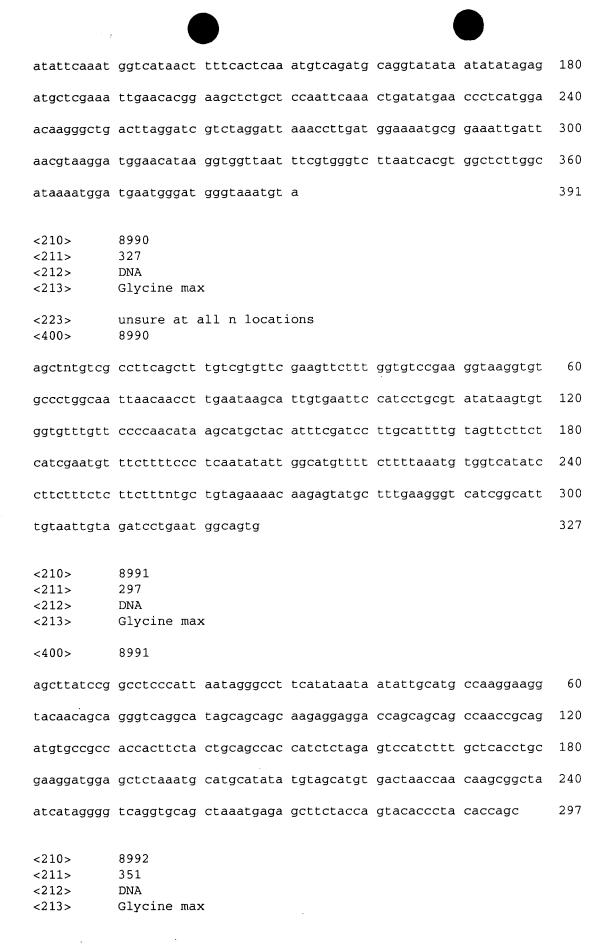
<400>   8977

agcttatgga tggaacactt acttgttggt gatgatcaaa agcgcanaac ggaatcaaaa   60

aatgcgaata aggatgaccc tacggctgca aactcgtcaa tcccgtgggt atggctttng   120

aaaggaggan aagaagtttt tgaatgtaaa aacgcccccc tttcgtcatt cttataattt   180

ggtgcagggg tg   192

<210>   8978
<211>   402
<212>   DNA
<213>   Glycine max

<400>   8978

ctgcaagctt gcttctacac taaagggttt ccttttacat ttaaatataa agactatccc   60

ataaaggtgt ctattttata tatcactaat gtccataaat tagggatgtt acactgcgga   120

caaaaaagta tattaataag aaaaaatgat tgataaatag ttatatgaaa tggtaaaaaa   180

attactatga atatattcac attaaagtat caaattcctt gaaaggaaaa ttcaagttat   240

ataaatgatt tcttttaata ttatagttaa aactcccgtg cattgcacgg gttttaatta   300

agttcttgaa catttttaa aaaaaatttt ccctgaacat aaaaattaat tcataatttc   360

ttaaaaatat ataacaaaat nttaagcaaa ccacaaatta ac   402

<210>   8979
<211>   405
<212>   DNA
<213>   Glycine max

<400>   8979

agctttgacc acaaccccga tcttatctct acctattttt actcaaccat ttattgttga   60

aacagatgcc ttaggccaag gaattggtgt tgttttgtct cagaatggcc atccaattgc   120

ttttttcttt aagaagcttt cttctcgtat gcagaagcaa tcagcttatg ttcgtgagtt   180

gtatgcaatt actgaagcag tggctaagtt ttgtcattac cttttggtc attattccat   240

tatctggaca gaccaacgta gtctcaagca cattacggac canatcattc aaacaccaga   300

gcaagagtcc ttgttaccta agcttcttga cttcaacttc tcgattgagt ataaacctgg   360

3814

acccactaat ncaagtgctg atgctntatc atggtctttc tatat   405

<210>   8980
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8980

agcttgaagg caaactggat gcattggtta acttggtaac ccagctggcc ttgtgtcata   60

ccctaatttc gtccggcgac ctttgcttga tgacatgcga cctttctttg gtccttgtga   120

ggtgcttgac acccatcatt aagcagtttg tgaaattcca ggacatgccg aanaaaccaa   180

aaaatattga tgcacaatcc gtaagtntcc gtgacacacc ggaaatcaaa tggaagcatc   240

gttgcataat taagtgaggt tccgtaagta aaaggggat gattatgtaa tccgcaaggt   300

tccgtaacat tacggaaaga aaacaagtat cgctacgaaa attcgtaagt tccgtaactt   360

tacgaaaaaa agaatcacca aataaaagca gagggg   396

<210>   8981
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8981

agctntaatt cannaaaaca aaaagaagtt tttatcataa cctcacctaa ttttaatact   60

acgcgtctan aaatcacaat ttgttaactc aggaagaacc ntttgctaat tctcctcatt   120

tttcggtnaa attgcnacct ccatacaatc attctgaaaa caaaaccctc caatcattct   180

aacatccatc taaataaaaa atatttcgcc caaaccagaa cccaaaccgc cntcaatttc   240

aagcttcaac cgaaaaacaa aacaacacaa acaatataca catttgggat ccacaagttc   300

cacactntct atntaccaat gtactaataa ttaaatatta atccactcag ttacactact   360

aaaagctggg gatagaatac acctacactc gctatgttac aaaanaagtt ttcncaaacc   420

agcacgctac actacacacg gac   443

<210>   8982
<211>   411

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8982

agctnttgcc tcanaacana gtgtttccaa gagatcaaga ctttggtaat tgtttaccag   60

acagtgtaat cgattaccag aagacaattt tgaaaaacag cttttaacaa gggttttaaa   120

tttgaatttt gaatcatgta atcgattacc agatgtttgt aatcgattac tagcaatgac   180

acttcataaa atactttgaa aagtcatgac ccttcaaaat ataactgtgt aattgattac   240

cagaaaccta taatcgatta ccagtgaaaa atttcagaaa aaagtttttg aaaagataca   300

tctcttcaaa tcattttgaa aagacacaat gggcctatat atanggtgtg ttgactntat   360

aaagtaaaga gagaattcta gagaacttaa ttgtcaattc tccaacaact c   411

<210> 8983
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8983

agcttgtaga atggctatac atgatacatg tcatggtttg gtttggttca aggataaaag   60

ggatgcccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aattttatgc   120

aaaactggtc atgcatgcac ctatgtggac gctcaagtgt caaattttta tggtcatctg   180

atgctagggc tcaagattca tttcctctat tttaaatcaa cccaatgttt ccaaaatatg   240

ttcttttatc aaattgtgca ttcatccgag tccatttcgg gcgtccggga aaattttcac   300

agcattcacc cttcaggtgt acacacacat tntccaaaaa ttatgtgaat tttt   354

<210> 8984
<211> 355
<212> DNA
<213> Glycine max

<400> 8984

agcttgaggg taaactttat cccttagtca acctattaac tcaacttgcc atgaatcaga   60

aatctacacc tgttgcaaga gtctgtggtc tatgttcttc tgcagatcac catacagatc   120

tctgtccttc tttgcagcaa tctagagtca atgagaaacc tgaagcttat gctgcaaaca   180

tttataatag acctcctcag tagcaaaacc aacaacagta gaataattat gaccttccaa 240

gcaacagata caatccaggt tggaggaatc atccaaatct gagatggaca agtcctccac 300

aacaacatca gtctgtcctt ttctttcaga atgttgctgg tccaagcaag cctta 355

<210>   8985
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8985

agctntatgc aagggagcta aagatacaag tatctttcaa ggtaagctat ttggtcaaaa 60

gagcttgtgt ctatacaatt catggccttc atcatgttct gagttataca aatcattcta 120

gaattcagag atttatgcaa agatcattat tcacagttag tcgttcactc acagagtaag 180

gtcacacttt caccggtttt tggttcaagc ttttctttca caatcaatct gtctagtgac 240

taaccattct attataagtt cacactcttg ttctttcttt gttcaacatg cacatttgct 300

caaattcatg aaaggaaaca cacatttcat cataagcatc tattcattta aaacaaggca 360

tacaaccatt ttcccaaata aataaactac ttcactgcca taccatcaaa agttaagtta 420

aactgttcac gatgcttcaa g 441

<210>   8986
<211>   269
<212>   DNA
<213>   Glycine max

<400>   8986

tggagagcat cttttcctac gccattacta ctatactctt atggaaactt ctcgtaggaa 60

gaatccaact tggaaagggg acataacgcc acgcataagt agtcttatcc tgttgccatt 120

attctactag aattttctaa cttgtgttcc acaaagagat gagatgacaa tgggacacca 180

attcacgttt atcatttttt ggcataaggc aaatattctg accattaaca ctcccagctt 240

ctccaggatg tcttcataaa tgcttgatg 269

<210>   8987
<211>   422
<212>   DNA

<213>   Glycine max

<400>   8987

agcttatctt tatactggta ttcgagagaa aagccttgta accattaaag gtgcgtcctt   60

agtagaatag gggtactcgg gagggaaacc ttgcaacgat tcaaggtgtc cttggtcgaa   120

taagggtact cgagagagaa accttttagc gattcaaggt acacccttgg acgaatatgg   180

atattcggga ggaaccttac aataattcaa ggtgcatcct tagccgaata agggtattta   240

cgagggaaac cttgcaatga ttcaagttgc tccttagtcg aataggggta ttcgggaagg   300

aaaccttgca atattctgag gtgcatcctt actcgatagg ggtgggtatt cgggagggaa   360

ccttgcacga gtcaggtgca tcattttcga atagggtatt cggagcgaaa cttgcacaat   420

ta   422

<210>   8988
<211>   352
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8988

agcttgtgtg ccttcttcca attcattggt ggctttggat gactcanaaa attgcttatc   60

aggaaggaag aatcaaaagt catccaagca atgttttcca ttgctaactc gccttgtgga   120

ttgtagcaaa cattgtggta gaggcaaagg taatgacaat gggagtactt tatcaccttc   180

acctgtccca aaaccaccta agtctaaccc tccaaagctc gagacaccaa aagctcaacc   240

acctccaacc ccaaaggttg agccacctcc aacaccaaag gttgtacatt caaccaccac   300

ccccgtgtnc tcaccaccac caccaatcca ctcccccacca ccaccaatcc ac   352

<210>   8989
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8989

agtcacctgc ggcatgcaag ctttggtcca attcatacga ccataagttn tgtcatggtt   60

gtacgattta ggcccatggt atatggagac actcgaaatt gaaaaatgaa aggtctcaac   120

3818

atattcaaat ggtcataact tttcactcaa atgtcagatg caggtatata atatatagag   180

atgctcgaaa ttgaacacgg aagctctgct ccaattcaaa ctgatatgaa ccctcatgga   240

acaagggctg acttaggatc gtctaggatt aaaccttgat ggaaaatgcg gaaattgatt   300

aacgtaagga tggaacataa ggtggttaat ttcgtgggtc ttaatcacgt ggctcttggc   360

ataaaatgga tgaatgggat gggtaaatgt a   391

<210>   8990
<211>   327
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8990

agctntgtcg ccttcagctt tgtcgtgttc gaagttcttt ggtgtccgaa ggtaaggtgt   60

gccctggcaa ttaacaacct tgaataagca ttgtgaattc catcctgcgt atataagtgt   120

ggtgtttgtt ccccaacata agcatgctac atttcgatcc ttgcattttg tagttcttct   180

catcgaatgt ttcttttccc tcaatatatt ggcatgtttt cttttaaatg tggtcatatc   240

cttctttctc ttctttntgc tgtagaaaac aagagtatgc tttgaagggt catcggcatt   300

tgtaattgta gatcctgaat ggcagtg   327

<210>   8991
<211>   297
<212>   DNA
<213>   Glycine max

<400>   8991

agcttatccg gcctcccatt aatagggcct tcatataata atattgcatg ccaaggaagg   60

tacaacagca gggtcaggca tagcagcagc aagaggagga ccagcagcag ccaaccgcag   120

atgtgccgcc accacttcta ctgcagccac catctctaga gtccatcttt gctcacctgc   180

gaaggatgga gctctaaatg catgcatata tgtagcatgt gactaaccaa caagcggcta   240

atcatagggg tcaggtgcag ctaaatgaga gcttctacca gtacaccta caccagc   297

<210>   8992
<211>   351
<212>   DNA
<213>   Glycine max

<400>   8992

agcttgcttg tggggcttct atggaggctg gatctttgag cttcaatggg gtcctttaat   60

ggtgattttc caccatggag atgcagcgga agacaaagga aaataggtga gaggaggcgc   120

catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata   180

agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg   240

ggagcacgaa attgaaggaa taaaagaggt atagaagtgg aactttgaag tatgtctcac   300

aagactctca ttcatcaaag ttacaacaag tgttacacat gcttctattt a   351

<210>   8993
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8993

agcttaagag nggcacctcn cgtactcttc tctcttcggc accggaggga ttcacaacaa   60

ccgcaggcct cgcgtcgacg agaaccctaa ggactatgcc aatcgctctg ccattcagtg   120

gcatcgtgtc tccgtttatc ctcagaaatt gtgagacctt gtcaccaaac acgttgttcc   180

cgggtcagcc cactctctca ttcactcgcc gctttatcaa ttaaccaatt gtcgtattgc   240

accttactga tgctgctggc cttttgcagt tcaatgctgt acgtggaggg gaacctcgag   300

accaaatgct tcaccgatcc gataaccggc attcccgcc gaattcgaga aattgctggt   360

cgacgaaatg gtaactcttc aatcaactct tgttgtataa atgacttt   408

<210>   8994
<211>   203
<212>   DNA
<213>   Glycine max

<400>   8994

agcttgtgag ggaggtgttc ttagatatga gatgtttgtg tgtatctaaa ctctatgctc   60

tcaaggaagt tgtctcaaag atgcttctca aggaggttgt cttaagaaag ctgctcaagg   120

agacctccta cactattaat agaagcatgt gtaacacttg ttgtaacttt gatgaatgag   180

agccttgtga gacatacttc aaa   203

```
<210>      8995
<211>      412
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8995

agcttgtang aatatggttg tcccatcaca tgttgtacta ggtggcagtc gggcgatggt    60

gcacaacaag ttttccacat ccacaaagcg cgcataaacc caccattccc tgttggccac   120

ctccaactga gctcacgtac tcccacgtag cccataacct cgtttctctc aacaccgggt   180

ccccatcaat cctcccaagc ttccccaaca tcaaagtaaa tcaacattca aacagcacaa   240

attaccacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa   300

atcacagctt ttctcactta aagaccccag taacaatttc ttcgatccaa ttcgttaacc   360

ggtggagtcg actccaaatt ttactggaag tctatagtac ataagcctac at           412


<210>      8996
<211>      361
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8996

agcttacaaa acctatgtat ctctgcaaaa gctgttcttc gtgctgcctn cagagctata    60

ttcccgaaat aggcactgtg gtgtgctctg gaatttgtgc aaatcatccg cttgccctaa   120

ttctgcacaa aacaagcttt aaatagcctc tgaatttgcg acgttgcgct tagtgtgagt   180

aagtgggttt gggcttaacg ccagtcttgc gctgagcctg gctgaagaca cctgttgtgc   240

ttatcgcact gatctcacgc ttagcatgtg accttgatat tgatgtcttg ctagattctt   300

ctatcgcgct cagcgcgttg aagctgcgct taacggtgga tgcgtgctta gcctactgat   360

g                                                                    361


<210>      8997
<211>      425
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8997
```

agcttcctcc ttctttttct acagaagcct tgaatttata ttgtaagaaa cacatacttt 60

atcagaaaac tgacattcac agctccattg agttaaaata aatgtcttac aatgcataaa 120

agacaagttc caattaagac atggtggaaa ggagcagccc ctgtggggggg ctcaatttac 180

ctaaacaatt acatagagaa agaaatctaa gtaacacact cttttttaaga taatctctat 240

cgttatataa atcttatgtg aatgcactaa aatattgggc tctctatcta ataaaaacac 300

acatgaataa tagtgtgtgt gtgtgtgtgt cacagagagt attattaaca atgattcaat 360

gatagtgata aatcataata natcaagtgt atgtcagagc atggccagtt ttatactgtg 420

attat   425

<210>   8998
<211>   338
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8998

agcttgagat gaggaagtgt tgaagggtga aactttctgc ttttattggt gaccacagag 60

tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tggggtgcta 120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtccg tcagtgagaa 180

cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240

cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttntgtgtaa tatgtgagat 300

atggcctctg gtaatcgatt accaagggtg ggtaatcg   338

<210>   8999
<211>   329
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   8999

agctggcatt cgatcatcgg agccatagag agcatgatag cgctgaatac aacggtcctg 60

cattntgctc agagctttgg ccaaagggta gcttatggcg aaaccgcccc caccataggc 120

catgccgtag gagaagaata tgttctgcaa gtgactctcc gacaagctcc caatgtagta 180

catgtagttg tggtcgtact tgtttaaaat cctcagcaga ttgtccgtca cgaaaacggt 240

```
gtcgtcgtcg cccatcacga accaccgcac gttcttgtgc cccatacgca gcgtttccgt    300

cacgatgcgc gatattcgaa tcgcggagc                                      329


<210>     9000
<211>     408
<212>     DNA
<213>     Glycine max

<400>     9000

agcttgttca acttaccata agtaatctga aatctttctt gagcaaatgc tatttgcaat     60

aacaatctcc caagtggaca ttgaacttgg aaatttgaaa tgtggttcaa ttcccacaac    120

atttaatggc catgctgcaa gaacattagt cgagaagttt gacaaagaaa tgaggcagga    180

aattcttaac taaatactac taccaatttg caataaccaa gttatccaat attgaaatta    240

attaataggg aaaaatcagt gttgtagaaa tgcattacac tgatgtggtt gatgtatata    300

acaattgaac aaaagagaaa aagagcaagg cagaagtaaa agaaagagaa ctaaacaaga    360

tcaaggtaac attattaatg aaattcctaa tccctattgt gcaaacac              408


<210>     9001
<211>     293
<212>     DNA
<213>     Glycine max

<400>     9001

cacaaacaca aacccttgca acaagtacat atttctgact caaggccacc tgggttaccc     60

agttaaccaa tgcattcagt ttgccttcaa gcttcttaat atcagatgat gcagctgagt    120

gtgaactacc tcatgcactc ctctaatgac tatggaatca tttctggcgc ttaactgctg    180

agagttggaa gccatcttct caattatatt actggcttca gcaggagtca tgtttacaaa    240

ggctccacca ctggctgcaa ttatcatact tatctccata ttactgagtt ctt          293


<210>     9002
<211>     341
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     9002
```

```
gtacgattgt tgcccatggt atatggagac gctccgaaat gaaaaatgaa agttctcaag    60

aaattcaaat ggtcataact tttcactcaa atgtcagatt caggtatata atatatagag   120

atgctcgaaa ttgaacacgg aagctctgct ccaattcaaa ctgatatgaa ccctcatgga   180

acaagggctg acttangatc gtctangatt aaaccttgat ggaaaatgcg gaaattgatt   240

aacgtaagga tggaaaataa ggtggttaat ttcgtgggtc ttaatcacgt ggttcttggc   300

ataaaatgga tgaatgggat ggtaaaatgt acgttaagtg g                        341
```

<210>   9003
<211>   166
<212>   DNA
<213>   Glycine max

<400>   9003

```
agcttcttgc gtaggcgctc ttgctgctca gaatattcca aaaacaaatc tctcttatta    60

ctagctattt tgaattcttt agatcctgaa tgtacaacct tcaaattgtt gctcgttccc   120

ctctttgaga atgaggagga tcttcatagg acttcatcca gttgat                   166
```

<210>   9004
<211>   174
<212>   DNA
<213>   Glycine max

<400>   9004

```
gctttgagac gcatgataac ttgtggcata gtttttcatt cagccagatc ctctggcgac    60

acgatggaag atgaactatc accacttgtg gcctctccat catgggctat ggctcttcag   120

acgagaacat taatctagca tcttgtctga gaaatgacgt atgatatcta ctca          174
```

<210>   9005
<211>   500
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9005

```
atataanaat ttattatttt taagttcggg tntctggccc ttattttcgt gcttagttca    60

acagtcaaac actggcgcct aattaaatta tacattttat ttnttagaat tacatcaata   120

anattattat atcttttctg caatacacta gtgacaaata cacnctctag atatgaattt   180
```

```
aaattcttgg ataatgcact ctataacaaa cattcttcat aatcttctaa tcttctctaa   240

taagaagaat taactctaca atacacttgt ctatttttaa atttgggaag cacttggcac   300

cctaattaag aagggagaag ttgccccgtc agacatgcaa taacattagg aagtgaccct   360

ttaaaaacac attatgaagt ggattttaaa aatgaagaac atttctataa aacaaggatg   420

agaaacattt aatctgataa attctttaag attcatagtt atagataaag ttagattttc   480

attatttcct atattgggtn                                                500
```

<210>   9006
<211>   438
<212>   DNA
<213>   Glycine max

<400>   9006

```
agcttatgcg cctattttct tacaaacgtt ctcttttaca agacatttaa ccgaaaaaat    60

gcacccatat acaatcaagg cagcttcgtt acctagatta tttacacgta ccttcaaggt   120

gtatttgtta cttacatcac acacatctcc ttggctaaat tcacatacat gcatactcaa   180

agcattttgg ggcaccaaaa attgcacatg tgcacatctt ggcatttcta atacctatac   240

atacgcaaac ttcatgatga atcttgacta tctacacaat aaggtgctac atttcatgct   300

cttttttcaa gtttttgcta cctaaagccg catgcaaatt caagcatatt ttcctttgct   360

gactaaaatt gtattcaaat aaaaggtata ttttttgtaa tatgttttct tcacataaca   420

ttgcaacata ttatatat                                                 438
```

<210>   9007
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9007

```
agctttaatt aatcgcgtac agaattccag gcatttctgt cgttcaatgt ctcttgttcc    60

caatcccaaa cacctcagaa gtttattagc aaaagccagt ctagcaaatg acatgtacat   120

gacataacct ttcaatttcg tgttcgtgta ttatatatgc aaactgtgat ggcatgtatt   180

caattcaccc tataaaaaac attccagttt ctattcatga aaatgaatta tcatttctat   240
```

```
acatattttt aatttaattt aatcaaaata catggacatt tacatcattt tttaatccta    300

taggaagagc attatatgtt atgcatgacc aaactatcga tatatgtatt ggaatgattt    360

taaaagatac aattgagata attntaatta gtttataatc taaaattctt tgcaccaata    420

atatatcaaa attattattt tt                                             442


<210>      9008
<211>      454
<212>      DNA
<213>      Glycine max

<400>      9008

agcttgaggg tttagtgcat atttcccatg ccacttacat catagatgag tcattaacat     60

gccttcctag ccttaaacca agacctttct tctgatggaa atctttaatt tttaatcctt    120

atataaggtt ttctttattc tttatgcgga agcctagatt cacaagtata caacctataa    180

caattaccaa aggtcctaag atctacaaca tgtttgacta ttaaggatta gatcgataaa    240

atacttggat ctatagttgg tttctggtct aagtattctt tgagagatgt tataagatct    300

ttgcggctat ccatcacaaa tatagacaat gaaattatga ttttttctca atcgaagtct    360

ctttattcct caacaaaatt ttcataactc tctgtatgga aaaagagaac tatgtgcacg    420

atttgcatat atggaccata ccttcttata tcgt                                454


<210>      9009
<211>      353
<212>      DNA
<213>      Glycine max

<400>      9009

agcttatatt aacaaaattg cctaaatcat ttctctatat gcatgtgaat taggaagcat     60

caacaagaat caagccaatg ctattgtgca agcaatcaat ggggcaaaac acaccaaaag    120

attatgatga tggatggctc aaaatctcac aaaggtaaac ttatcacttt caaattgagc    180

tttcaaaatt atcatgacat gtagaggaaa aacaaggatt tcaaatcaca aaatgtcaac    240

agactttat tttctgaaca attaccaatt tcttgaacat atcctataat tcaaagaaaa    300

atatgcaaag ttgtacatgc aaacagagtt gaccttaaat attaaactag aaa           353


<210>      9010
```

3826

<211>   287
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9010

agcttccaca agaaacaact tganggagaa gatttcactg gcattgatca tggcgaaggg   60

gtttcaaggc ttatggagtt ggccatgccc atggcaatgg cggtcttgct gactaagaca   120

attgcacggt tttccagacc ttgtcgtcga gacggcatac agctctaagg aggagtccag   180

gtcaaggtcg tggatgtcga agtgcatgcc caagcactaa tcatgacttt cacagagttt   240

tagctccgcc attgtagaaa tgatgaagac aatgggaggg agaaaga   287

<210>   9011
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9011

agcttgcaat tattagaaga gaatgagcat gtgattggaa gtatgacaga ttatgttagt   60

cagttgtcag attgattgtg aaggaatgca ttaacagtat cctggtgaga gtgtgatcct   120

taaatnttgt gagaaatgac tatcatttag ttctgatttt tgcgtgaatc tctgaagtat   180

ggactaaatg catgaaattg aggatgatga aggccatgtt tgattgtgat agccacttag   240

ccaaaaagct gaccatgtgc ttgaatgatt tatcccttgc acctagtttg agctgtatga   300

attaattgat tgattgaacc ttgagcctaa acagttgtat cttctgctac catatcttan   360

gttgtaggag agcatcatcc atagaagctt gaaattaata gtatacacac attngttctg   420

tatatataat gtccctgtat ata   443

<210>   9012
<211>   317
<212>   DNA
<213>   Glycine max

<400>   9012

agcttgttgt gcaccatcgc ccgaccgcca cctattacca catgtgatgg gtaccccata   60

atcctacaag cttgagatga ggaagtgttg aagggtgaaa cttcctgctt ttattgttga   120

ccacagagtg gtacctggag atatgtcgcg ggggtcagga gaccttgggg acgtcaggtg   180

gggtgctatt gcccaaaacc aagcttgacc aatcccgacc caacccgggc atagtcggtc   240

agtgagaacc tgtgatgtac ctaagcaggc gagctcctgg cagtcaacag ataaaaggaa   300

caaagaccac taaagca   317

<210>   9013
<211>   242
<212>   DNA
<213>   Glycine max

<400>   9013

tgacatgttt aaaatatgca tgattgagcg agggcgatct acagatgtga ttctagtgaa   60

ccctcaaaaa cgttgcacat cgcttatcca caccaagtta tttaataaaa tatttcacaa   120

atacgatata atgtcttgtt gcggaataaa tgataagttc aataacaaag tctaaggaga   180

tcgaatacgt gagtattgta actccttata tcatgttcaa ttcttatata taaaaaaaat   240

at   242

<210>   9014
<211>   401
<212>   DNA
<213>   Glycine max

<400>   9014

gcttggaaaa aatcctcaca cagagagtca ttattagcat cgaatatgat atcgtccacg   60

tatatctgga tgattaagaa ttgactacca taatctttgt gaaacagagt agtatctacc   120

tttcctctta taaagccatt ttcaattaaa aatgaactta gcttttcata caaagctcaa   180

ggagctattt ttaaaatata caaagccttg ttaaatttga aaacatgata agggtatata   240

gaactctcaa accccagggg gctgttcaca tcaacttctt ccttgataag tccattgagg   300

aacacacttt ttatgttcat ttgatacaac atcataccgt gataagcaac acagttaaat   360

tggtttgtcc agcttgtttc taaacactca ctgagttcta c   401

<210>   9015
<211>   303
<212>   DNA
<213>   Glycine max

3828

<223>   unsure at all n locations
<400>   9015

agcttangga agagaagatg aaagtaatca ctaattaaac aaacaagcta atatttgtcg   60

accatgtaag ggagattcaa taccccacac ggtggtccaa gcaaaccttt gattnttgcg   120

taggtagcaa aataaaggaa aggcctcatc ggtcgacctg gaaaggaatc ttgaaaagga   180

atttatccga cccaacaatt gtttaacctc tttaacgttg cttggactcc gcatgagcat   240

caatcaggat taaccttgat tcatcgatat ctgagcatga acttgaggaa cttgcctact   300

cgt   303

<210>   9016
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9016

agcttgcaac cattatataa anaagaacat gagatttgaa ctttgactga aaatgttagt   60

cagtttgtca gattgattgt gaaggaatgc attgactata tcccgatgag agtgtgatcc   120

ttaaattttg agagaaatga ctatcattta gtactgattt ttgcatgaac ctctgaagta   180

tggactgaat gcatgaaatt gaggatgatg aaggccatgt ttgattgtga caaccactta   240

nccaaaaagc tgaccatgtg cttgaatgat ttatcccttg cacccagttt gagctaaatg   300

atttattgat tgattgaacc ttgagcctat acagtgttat ctcctgctac cttgtatgag   360

ggtgtaggag agcatca   377

<210>   9017
<211>   178
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9017

agcttncttc tacaccttat aaagagatga gattttactg atcgaggccg tacccaaatc   60

aaataaacat taaaatgcag taactaagaa gtgatcctaa gtcatttccc aacgagcaat   120

gactaaccca atgttcataa tatgcttcgt tataacagta ataataacga atggggggg   178

<210>   9018
<211>   303
<212>   DNA
<213>   Glycine max

<400>   9018

agcttgcact attctattta tcttggtaac agatatattt cgcctgaggt ccggttatca   60

cgatgaagca agaaatgttg cctcaacttc acgtgcttca catcaatttg ctcctttggg   120

acatactgcg gtcactactt atttacctat tcatgaacaa tctttcttat aattacttaa   180

tctacccctg acaaatggaa aattaaggac ggatggtacc aaatgagatt gcagctgctg   240

tatctgatga atgtgataca atgttgagaa ctggcgaccg ggtaggtcta actgcatatg   300

aca   303

<210>   9019
<211>   322
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9019

agcttgagat gaggaagtgt tgaagggtga aactttctgc ttttattgtt gaccacagag   60

tggtacctgg agatatgtcg cgggggtcat gagaccttgn ggacgtcagg tggggtgcta   120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg tcagtgagaa   180

cctgtgatgt acctaagcag gcgagctcct ggctgtcaac agataaaagg aaaacaagac   240

cacaaagcac ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatg   300

gtggcctctg gtaatcgatt ac   322

<210>   9020
<211>   371
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9020

agctntacag cagatgcccc tttactccat gttcttgaag gatatgttaa caaggaaaca   60

taagtatatt caccaggaaa aaattgtagt ggaaggaaat tgtagtgttg tgattcaaaa   120

gatccttcca cccaagcata aagaccttgg gagtgtaact attccttgtt caattagaga   180

agtcactgtg ggaaaagctc tgattgactc gggagccaac attaatttaa tgtcattctc   240

catgtgcaga agggtgggag agatggagac catgcccact aagatgactt tacaactggt   300

tgaccgctcc attaccagac catatggagt aattaaagat gtgctggtca gagtgaaaca   360

ttntatcttc c   371

<210>   9021
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9021

agctnttcat atggatatga gaaggagaaa caacttaaga gtgggtcgga cttacagcaa   60

atgatgacac gtgacggaaa aattggatag tgacatgtgg attaataatt ggagacttgc   120

tcatgntaat aattttttaa gatgaagtaa taattttttt ccactacaat ttaaattatt   180

tttttattca attntaaatt atttatatat tcacattaat tgcaatacaa atataaacag   240

atgtaagcat aatttttttt taccatgttt tcgttttaaa tatatattta ttttttttaaa   300

aaaatctaat aattaacttt aattatttat tataaccatt gcattaaana atgaaagttt   360

gggatgtgag taacttctta aagttatgag taacttaatc ttttctcata cacatannat   420

gagttattca caagtttttat ttgttaaatt tgtaagaatt aaac   464

<210>   9022
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9022

agctnttctt tctcaaccaa cctatctact aactatcaat tctaattgca atctcacatt   60

cttgttcttt ctttgtctaa catacacact agctcaaact tatgaaaaag gacacaatct   120

tcatcacaat catgcactca atccaaaatc cgtttataac acgcacttca caaaaagata   180

aaagtgtttc agtgcatatt catcaagatc aagtcaaact attccatatg cttcanaaca   240

tgcatactaa ctatccacan aanacacaag tatatataaa aatcaaccaa aatcactaaa   300

acaatgtaca gaaatataat agtcataata atttccaaaa gcaaaatcat caggaattta   360

```
aaatttctga gacaaatcct angtaccctg agtctgagca                    400


<210>        9023
<211>        370
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        9023

agcttctata taagcagaac catnttatca atattgacaa gttgagtttt attcagaana    60

ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa   120

gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag   180

agtgattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa   240

tccacctctg cccagaatta tctcgtggcc ataactccaa ttttacgcac tcaaattaag   300

tgattcttga gcctaaattg aattccaaaa cgagagcttc cacctcgttt tggaatcact   360

tcatttggag                                                    370


<210>        9024
<211>        376
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        9024

agctntctat actaatgtca aaattcaaga aagctctttg atctctgagg tttatgggat    60

aaaaatggtc attgaccaat cccttttcta tgacttgacc caattatcta gtgaaggtgt   120

accatttgaa ggtacactga atgatgattg gaaatttgat ttctctgtgc atgatgcccg   180

ccggttggtt tgaaccaacc aagaggatat gactggaagg cttcttgctg gatcattggc   240

ttttgaaagc catatccttc actatctcat tgtgtgtatt ttacttccaa gatcttcaaa   300

cctttgctca ggttctgaag acgatcttat agtcatgtgg gcttttcata ccggccgaca   360

aaatgatttg gcacac                                             376


<210>        9025
<211>        389
<212>        DNA
<213>        Glycine max
```

```
agcttccatt ttcctttcta ctttgaatga gtaattctta agnttcatac attcatcang    60

tccatcctta tatttttgtt tccttctaat tattaaataa aaatattgtt ttcttgaaga   120

ctcttccttc catgttataa tgaaaccgta agatgaccaa attaatttta cttgctagtt   180

atttgaagaa ccaacgtcgc acgccaaaag tcaaaaccta caacccatct gtcatcccga   240

ttcattactc tcgggattac ttcagggcat ttcattggta tctcttcttc cttttcacac   300

cctcatttaa atgttgaaac acctagaata cccttctttc tctttaaaat ttaaaatctt   360

ctctcctact catgtccatg ctgatattt                                     389
```

<210>   9026
<211>   415
<212>   DNA
<213>   Glycine max

```
agcttagtct nttggtaata ttttaggaat ntatattttg tcaatccaac cattcaatga    60

tgtaatatta tataaatgat catgcattcc aaattttaaa taatccataa attcataagt   120

atgtaattta ataattgaca tattttaaat agctcgttat atgtaaacta ccttcacaag   180

caaaatgtaa ttttcataat ggcaattgat gtttattatt gtttactgac ctctatgcag   240

atcttccccc tgataaggaa ccactagatt ggaatactag aatgaaaata gttgtcggtg   300

ctgcaaaagg attagaatac cttcatgata aggcaaaatc atgaacaatt tctttaattc   360

caaccaataa ctaattttca taagaaatgg agtactaatc aaagtcgaat gtatg        415
```

<210>   9027
<211>   379
<212>   DNA
<213>   Glycine max

```
agctntgaat gcactattca atggagttga caatatcatc ttcagactga tcaacacttg    60

cacagtggcc aaagatgcat gggagatcct gaanatcact catgaaggaa cctccaaagt   120
```

gaagatgtcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga   180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt   240

gggagagagg ataacagatg anaagctggt gagaaagatc ctcacatcct tgcctaagag   300

atttgacatg aaagtcactg gcatagagga ggcccaagac attngcaaca tgagagttga   360

tgaactcatt gggtctctt   379

<210>   9028
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9028

agcttgngaa tgcattttgg catctatttg actttcctat gctgnctcta catatataaa   60

acagccccac tatcccaact ctgcaaaatc atatatatat atcattgggg caatgtggca   120

tgccccattg cttcaaaata caacctatgc ctaaggcctt ttcattctaa tcctcaattc   180

aagaaaacaa gcagcaaagc aaaccaaaac taccttacaa atataagcat gttctcacaa   240

ttcgaggcac caaaagatga agaaagcaca tcaatggaaa gcaaaaacat caaggatgga   300

atacttactt gttggagtga attgaaatac caaanacgaa agcaaaacgc gatcaanagg   360

cttatgggag caagaaaccg caagccttcc tattctctat   400

<210>   9029
<211>   206
<212>   DNA
<213>   Glycine max

<400>   9029

agcttgaatc ggacatccgc gtgaatagtt atgatctttt gaatctctca agagcttccg   60

gtggtcaatc tcgatcctct tgacatatta tgcacccgca tcggacctct gtgtgaaaag   120

gcatgatcat tcgtatcttt cgagagcttc cgatgtttaa gtcccagcgt atccatatat   180

tattaactct gaatcggacc tcagtc   206

<210>   9030
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9030

agcttacaca aacattcact agtccaacac acaattaaca aatagtcatc attcgtccat   60

agttccaatg ctcggtatga tgcatgcacc tgatctcaac tctcaaatgc aatgtggtac   120

catccccaag gaaatagcct aagcgtgtcc acacaacact ctcacttagg aaaactaaac   180

agtaagtgtc gaggtcacca tgtcatgcac aggcaactcc tccccccac ggtgatcatc   240

ctaagtctca agggagttcc aaaccaagtg acatgcccnc aagtacaagt attcctcctc   300

atgagaaact acaagtactt actgaaaagg gttgtactat ttccatgcaa tatgaagtat   360

gaaacatgag catcatccat gcactaacca tggataatta a   401

<210>   9031
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9031

agcttgtatg aattaagaga aatcttttgt gcctttttct atttaattat tatttcgatt   60

tctcgcatct ttctcgcgta tgttattgac tagtggtgtg cttatgttta attaactttt   120

atttgcaatc gatgagaatt gaagttgtaa tatagagctc ttcaatttac tcttaanaaa   180

aaaattgaat gtgcctttcg atatggtgaa tgcgatatta ttttagatga gcagtatana   240

tgtcaccttt gtgttgtgcc ttttcctcgt ctcaccacaa tacgatgcag ttatgcaaat   300

agtatttatt cccctcctca agaactaaaa agnagaaaaa catgcaaaaa aaaaanagtt   360

acctattata gaacttctag tcacctccaa cattaaacaa catcttcgat aacctatgaa   420

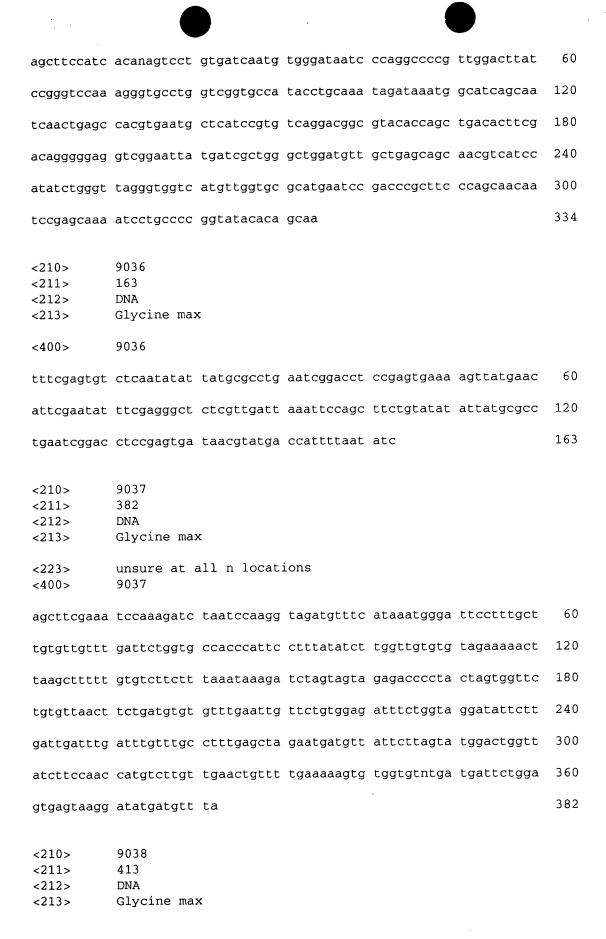gcacagacac   430

<210>   9032
<211>   276
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9032

agcttcactc gaagaatatc tgtncatttt tttgttcctg tgcaaaattc ctctacaaat   60

tttcccacta tctctctctc tcttactcag cttcattgtg ctcttcttct tgggatctcc   120

ctcgccgtcc tgtgcttccc cttcccacag ccgccactcc ctttgcaaca atgccgtcga   180

ttgtgagacc tccgttcatg aatccaccac ccttcattcc aagtccaaat caaaagccct   240

ttcgcgtcct ggtgacttgg ccatgcccat ggcgat   276

<210>   9033
<211>   318
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9033

agctntatat agcctttaga acttcaattt gctgatagat ctcaactagt ctttatctaa   60

tagctntggc atttgacatg aggctactac tatgcagaga gagtggggac cacaaatact   120

ttttgcagca tgtcttcaga gaagtacaat ctaccaatgt tgcctagtac ttagagctga   180

ctttcaacat acaaatcana agaaatggta acaacgtaag acaaaaggag ttaggaatgt   240

caagacaaga caatttaaat cttccattnt gtgtgctatg gcaccagatt cttattgaca   300

tatggagatc tacttctt   318

<210>   9034
<211>   182
<212>   DNA
<213>   Glycine max

<400>   9034

agcttcggtc ttcaattttg agcttctcga catattacgg gactcaatca gatattcgag   60

taaaacagtg atggtcgttt gaatttgctc atagctttca cattcaattt tgagcgcttt   120

gatatattac gatactcaat tggacattcg agttaaatgt taatttcgcc tgaattgttt   180

ca   182

<210>   9035
<211>   334
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9035

agcttccatc acanagtcct gtgatcaatg tgggataatc ccaggccccg ttggacttat 60

ccgggtccaa agggtgcctg gtcggtgcca tacctgcaaa tagataaatg gcatcagcaa 120

tcaactgagc cacgtgaatg ctcatccgtg tcaggacggc gtacaccagc tgacacttcg 180

acagggggag gtcggaatta tgatcgctgg gctggatgtt gctgagcagc aacgtcatcc 240

atatctgggt tagggtggtc atgttggtgc gcatgaatcc gacccgcttc ccagcaacaa 300

tccgagcaaa atcctgcccc ggtatacaca gcaa 334

<210>   9036
<211>   163
<212>   DNA
<213>   Glycine max

<400>   9036

tttcgagtgt ctcaatatat tatgcgcctg aatcggacct ccgagtgaaa agttatgaac 60

attcgaatat ttcgagggct ctcgttgatt aaattccagc ttctgtatat attatgcgcc 120

tgaatcggac ctccgagtga taacgtatga ccattttaat atc 163

<210>   9037
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9037

agcttcgaaa tccaaagatc taatccaagg tagatgtttc ataaatggga ttcctttgct 60

tgtgttgttt gattctggtg ccacccattc ctttatatct tggttgtgtg tagaaaaact 120

taagcttttt gtgtcttctt taaataaaga tctagtagta gagacccta ctagtggttc 180

tgtgttaact tctgatgtgt gtttgaattg ttctgtggag atttctggta ggatattctt 240

gattgatttg atttgtttgc ctttgagcta gaatgatgtt attcttagta tggactggtt 300

atcttccaac catgtcttgt tgaactgttt tgaaaaagtg tggtgtntga tgattctgga 360

gtgagtaagg atatgatgtt ta 382

<210>   9038
<211>   413
<212>   DNA
<213>   Glycine max

<400>   9038

agctnggaaa taagattata gtaggatgca aaagttcaac tatgtaacgt atgctccaaa   60

atcaaagaaa tcaatgttta aatcatccag gcccttggat tcaaaatcta atgaaccact   120

ggatcccata aagtaacaac ctaatgattc ctgccaagag gaagtaccag atatataata   180

ccgtcgtgat atctaacagc tagtaaatat tatagatcaa gagtatggag taagcaagac   240

gcagtgacaa aagttagtta agagttagaa agaaaagaga gttttcagtt actataaacc   300

taattgaaac agttaacagg aagagaaact aatataagat atacacataa actggtacta   360

aatactctag aaaatgtaat ctgacataag cccacttaga agtccaaaga tca   413

<210>   9039
<211>   379
<212>   DNA
<213>   Glycine max

<400>   9039

agcttatagc tctagtttcc aggttgtaaa gatgatatct cttcctcatg cattaattgt   60

cactcaagat gctagccagt ggatccctcc tgagattggt caagttgatg tcagttgtga   120

tgcttcagtt ccttaattgg ggagtctcac aacttatggt ggggtgcttc atgattatac   180

atganatttt ctgtgtggac tcaaatccaa tattggagat tcatctgtgc tgaatgtaga   240

attgttgact attctaatga atctcgccta tgaaattcta tttcctttta tgaatggatc   300

atggaatagt gggaaaagaa ctattacatt acttctattg aggggctaat aatgggagct   360

ctatcatggt gatgtcaaa   379

<210>   9040
<211>   376
<212>   DNA
<213>   Glycine max

<400>   9040

agctntgagg gtgcgcattc caccatcttt tcatagtgga ggaccgataa tgtgtctacc   60

atcacgatta tcgtctccct ttccattatt gggggtacca cctgggccgc cagctccctc   120

cacttttttgg gcgtgttctt tgaaagatcc gtccccctttt ttgcaaatgt tctgtagttg   180

catcctatcc agaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattag   240

gtccttccaa gaatggactc gggaaggttc caagttagtg taccacgtaa cagctacccc   300

agtaagactt tcatggaagg aatgtatcaa caattcctca tcttttgcgt antcccccat   360

cttctgacaa tacatc   376

<210>   9041
<211>   291
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9041

agcatgagct aattctggac agccataggt ttttattctt aacaaactca gtattggaga   60

cgaggatcga cactccttat cttgaatgat gactgttcac tacctttgat atatctattt   120

acncttggtt acctagggct tgaccatgat acacgaattc atattaacaa caagatttta   180

attggttaat atcaagcacg tctaagactg gaacttatta aatggaccac tggttgacaa   240

gatggttgga gaaccatcaa atgcaactat tgtcaaaatt atgagttata t   291

<210>   9042
<211>   320
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9042

agcttacata acctaggtat ctctgcataa gctgttcgtc gtgctgcctc cagagctata   60

ttcccgaaat aggcactgtg gtgtgctctg gaattngtgc aaatcatccg cttgccctaa   120

ttctgcacaa aacaggcttt aaatagcctc tgaatttgcg acgttgcgct tagtgtgagt   180

aagtgggttt gggcttaacg ccagtcttgc gctgagcctg gctgaagaca cctgttgtgc   240

ttagcgcact gatctcacgc ttagcatgtg accttgatat tgatgtcttg ctagattctt   300

ctatcgcgct aagcgcgttg   320

<210>   9043
<211>   383
<212>   DNA

3839

<213>   Glycine max

<223>   unsure at all n locations
<400>   9043

cagctggtta atagaactag aacatgcaag aatatcgtac actacgacta taactgaact   60

agattctttc aagcaagaac tcaccaaaat aaggcaggat tttgatgcag ttttggaggc   120

aaagctggca gcactttaag cagcaggaga ggcttcacgt tcagcaaaat taaactcgga   180

aagaatcagt gaactctcaa atgaaattgc aaccatgaaa gcatcaattg aacaagtgag   240

acttgcctct gaacaatccc aaaaagaaag tgaagcccaa cttggtggtt attacacaac   300

tgcaaggaag aagcacagat nacttggagt ccttatagaa tgaatacgac actgaactca   360

tgcaaagtct agatgccaac ttg   383

<210>   9044
<211>   437
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9044

tcatttccaa atatgcatgt gatttangac gcatcaacaa gaatcaagcc aaggctattg   60

tgcaagcaat caatggggca aaacacacca aatgattata atgatggatg gctcaaattc   120

tcacaaaggt aaaatcatca ctttcaaatt gagctttcaa aactatcatg acatgtagag   180

aagaatcaag gatttcaagt cacaaaatgt caagaactta tattttcaaa acaattaccc   240

atttcttgaa catatcctat aattcaaaga aaaacatgca aagtcgtacg tgcacacaaa   300

atngacccaa aatattaaac tgaanatccg acgaaactaa caacactaac anaataacac   360

aactaacaaa gtaacaaaac caacataact agcaaaacca agaacactt ccccgccccc   420

ccgcatactt aaacaac   437

<210>   9045
<211>   477
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9045

cgctggtgac tctnggcatg agtttcaatt aattattatc atgtatcata tatcatctat   60

ctttcaatct atctttcaat atcttctttc atctctttct acagaatttt ctgattcatt   120

tctcttgatc tttctaaaag tttttgatca acactttctc ttccaagaaa atttctttgt   180

tcaaaaactt gtgttattca tctttttcat tctcttctcc ctttgccaaa agaacgaagg   240

actaaccgcc tgaattcttt gtgtctctct tctcccttac aaaagattca naggactaac   300

cgcctgagaa ttcttttgat tcttcccttc cccttaaaca aaagatttaa aggactaatc   360

gtctgagata ntctttgttt ccccttacaa agattcanag gactaaccac ctgagaattc   420

tntgtcccaa cacatnggag gatacatcct ttgtggtaca agtagagggt acatcta   477

<210>   9046
<211>   317
<212>   DNA
<213>   Glycine max

<400>   9046

gcgtgtatga tatcgactcc acaaagttta agtttatgag accttcaatc ctattacgca   60

acgtggcgga caaaagtggg ctgcttactt gaatggtcat tattgtcaat gccgaaggta   120

ttctgcgctt cactatccat gttcacacag tattgcaact tgtgggtacg tgagcatgaa   180

ctactaccaa tatatagatg ttgtttacac aaatgaacac atcttaaaag cttactccgc   240

acaatggtgg ccttttgcga atgaagcggc tattcctcct tctaatgacg catggacact   300

tattcctgac ccaacta   317

<210>   9047
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9047

ggatgctctc tcttttgtga ttcactcaat ttggactgct tcttagtcca atagctatta   60

aggtggttgg ccccttgctt cttgactcaa attcttcaag ggatggcatc aatcctcctt   120

tccaatttcc tatatggcaa ctcacaaaca aggaaacaaa gagacaagca ataaccaaag   180

acaaaaaaaa aatgaaatga aagctaaacc aatggagttt taacaagaca atttatcaag   240

gattattcaa caattaaagc aatgaanagg acatagaagc aagctaggac tcanagagaa   300

acttagaatg gctctagagt agagtaaaan aactataaaa aaagactcac aaaacctcta 360

gctttggaac tttgtttcac ac 382

<210> 9048
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9048

actaagcttg taggattatg gngtacccat cacatgtggt attaggtggc ggtcgggcga 60

tggtgcacaa caagttnttc cacatccaca atgcgcgcat aaacccacca tcccctgttg 120

cccacctcca tctgagctca cgtactccca cgtagcccat atcctcgttt ctcccaacac 180

cgggtcccca tcaatccttc caagcttcca caacatccaa gcaaaacaac attcaaacag 240

cacaagctat cacagccaag caaaacagag caaatgcaga aaactctgcc aaacaccacc 300

caaatcacag cttttctcac tta 323

<210> 9049
<211> 220
<212> DNA
<213> Glycine max

<400> 9049

ctggatcttt gagcttcaat ggcgtccttt aatggtgact tatcaccatg gagatgcgcg 60

gaagacaaag gaaaatatgt gagaggaggc gccattcatt aatgaataag ccatggacga 120

aggagcttca ccaccaagat gagccttgga taataagcta ggagaggatg cttccatgga 180

ggaaaagaaa tacggagaga aagagagagg ggggagcact 220

<210> 9050
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9050

gcatgcaacc ttgccgtcca gctcgcccag gcgagccagg ttgcttcctc cataagaaac 60

agcctttggg aggaatcttc tggaaggccc aagtgggcct agttgctatt tacaccccc 120

ttttactaaa tgcacccccc ttttctatnt ttttgtaatt cttttttccg taacgttacg   180

aaactttacc aatttcgtaa tgatacttat tttccttccg caaggttacg aatatttacg   240

gattatgtat ttacttcttt ttagctttcg aagaagttac ggaaacttac ggattgcgca   300

aaaacgcctc ttttcgactt ccgccacatt acggaatttc acggatcgcg caagcctgct   360

tcctttagat ttctgagacg tctcgggact tcatttattg tgcaacanag gacgccaagt   420

atctcgaagc ggctaaccaa agaatgcatg tcatcaagta ataatccccg ga   472

<210>   9051
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9051

tgtagaggct tgttgccttg gtgagacttg ttgcctcggt gccgattcag atgttggcta   60

tgattcgttt ggcttgtcta agcttgtcca ttgcttgcgc attcacagac gtcagcgtcg   120

cgacattgaa atctcagcac accggacaaa caagctccac cttatcctct tcctctttct   180

tcaatttgat ctcattccat tgattcaacc tttcttcagt tcctccaacg tcngcgaggg   240

tggatctcaa tccggcgaac tcgtctcatc accgcctcga aatgcataaa tgattggtgt   300

tagggagttc ttggtttggt tagttggagg gaaagggaaa ggttaaaggc agatactata   360

nggtgcttgt ctgagtctga gaaggaggtt tataaacaaa aatcatacga atttgaa   417

<210>   9052
<211>   345
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9052

acgcgtcact aacacttata caacgactac aatgcaagta gcccgctcgn tgatggctta   60

ttttttttata tataaaaaag gagtaaaatt ttaagttatt tcgttagggg tatattttaa   120

agaatgataa aaaaggagta aaactttntt tatatatagt ttacgacttt aaaagttata   180

aacccgtttt cctttttatta atgtttaagt taattatttt aaaaaatata tatataattt   240

ttttatgttt tctttctttc tcaattttttt tttaaaaagt atttaaatgt ataataaata   300

3843

atattaactt ganttattta ttattatatt tttttatgac tttac   345

<210>   9053
<211>   354
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9053

ctgatgcatc taccccgcag ggcattggat agaatagtcc aataacattg gaccaaagat   60

gcaagagaag gccctagggt tctcatgagt cttanggtag atntcgggcc catgggctaa   120

gtacgagccc acttatcttt gtaaatatta gattaaggtt tcattatttt tgggccttgt   180

agttagggct ccataatgta ggtagggtgc cttagaaata taggattttt cagcccttgt   240

attttagggc acctagacta gtttttgtat tatgggtagt tttgtaattt catatgcact   300

aagtgaatat ttgatcgtgt ggttggaaac taaattaatt gaattggtag aagc   354

<210>   9054
<211>   502
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9054

ngacagantg tggatgacac gacacacgtc gatcgatgct tgctgtgtgg cagatggtgc   60

acacatacga atgacgatcc actaagctcg cataatatca ccctccactg ttgcccaact   120

attacttgag cgctactcac atctctcgta naactcatat tctgtgaata atacttgata   180

gccggggcac accataagat accttccatt gctgaacaca tacattcttg ccaatcagct   240

tggcttcaga acaatctatg acatatcatc aaagcaaagg aaggtcccta tctcatctca   300

tctcatccac tactgtcata gcttttctac ttatagacca agtcacattc cattcgatca   360

atgactaacc tgtggtcgac atcaagatct actgtgagtc tatcgtactc agactacatt   420

atgaccattg catcttcatc atacatacac aacaagtgtg ctctgctctt acacaccaaa   480

aatacgtgag ttttttcact cn   502

<210>   9055
<211>   336
<212>   DNA

<213>   Glycine max

<400>   9055

agcttggata gatcttgagc ttttagtaga ttatggaagt taaacccttg ctgagagaac   60

cactccaagt ccagatactt gggtattctt acattctcca tagcataaat catcttctag 120

tcattcttct tactttgtt agtaaaccat gtatctagcc tgttgatagc aacttaagag 180

cattcacctt gcttcctctt ggaatacttg ctttcttct gagctctgga agggttgctc 240

gctcattttg gaagggaaac aaagggtttg gaagcagaag aaggttaggt tcagagatgg 300

gtgtttcaag gaggtgttgg tgtgatttgt ggatgg   336

<210>   9056
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9056

ctttgcgtaa gaaccagttt atccaatgga acgatgactg tcaagtggca ttcggaagga   60

tcaaatgatg ccttatgaat cctcctgtgc ttacgccact agtgcctgga aggcccatta 120

tcctatacat gactatgttg gatgagtcaa tggggtgtat gctggggcaa catgacgagt 180

ctggaaagag ggaacatgcc atctattacc taagcaagaa gttcacatca tgtgaaatga 240

actactctnt gcttgaaagg acatgttgtg ccttggtatg ggcagcccac cgtctaaggc 300

agtacatgtt gagctacacc actnntgtgg tgtccaaaat ggacccagtc aagtacatat 360

ttga   364

<210>   9057
<211>   449
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9057

agcttctaaa aaggctacgt gaatatggga ggtgttccac cactaaggat ggcgacatgc   60

atgtgcatgt gtttcgctaa tggtgatggc gaaacccatg gtggactcgc tggcaggaat 120

ggcgacatgc atgggcatgt gtttcgccaa tggtgatggc gaaacccatg gtgtttcacc 180

3845

aatgtggatg gcgacacaca tggcactcac gtgaacctac tacgctgaca tggatgcatg 240

cactgttact gcgtgttacg ctggaaggaa tggagaaata aatgtttcgc caataggaat 300

ggagaaaccc ttaccaaacc cttacaaaat agaccctcca aggaaaatgt ttgaaaataa 360

accccttttg ggaataagtt tctaaaagaa accccctgtg gtcatnttgc cgcttaacac 420

acacaccaac aacaagaaga acaacaata 449

<210>   9058
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9058

agcttatccn cacaagagtg cataacaact ggtgagtctg cattgattat aggaggctga 60

accaggtaac ccgaaaagat catttccccc tgccattcat tgaccaaatg cttgagcgct 120

tggcaggtaa atctcattat tttttcttg atggttttc tagttattta caaattcata 180

ttgctcttga ggatcaagaa aagaccacat tcacctgtcc ctttggcact ttttcctata 240

ggaggatgcc ctttggccta tgcaacgccc ctggtacctt ctgtcgcaac ctacccttt 300

gcgggcaagc gaggcgaggc tcacgggtgc cttttccaaa ggaggaaaat gcgcggagtc 360

gtcaccaacg tttatttgtg gaaaacgtcg aaaaaatcg 399

<210>   9059
<211>   520
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9059

aggccggcgc gcgcncccag taactgatac ntttgtannn ncngacacag gagagtgcgt 60

aagctttgtt gatttagttc tcaccggtga aaggatcgaa gtgtgtcttt atagacgcac 120

atttgatcat cccgccttga cgaatgagaa aactggagct aatgaacacg gtgagaatga 180

aggagaaaac cttgctgtga ctgtccctcc tacctggctc atatcccta cctctcatca 240

acactaatcc ttaccactat attcattata ttactccctc cccgtcgtgc atgtggttct 300

tctgacgcca tcccaacctc ttctcccttc aattcattca agaatctcct cttcaccact 360

```
gatcacccac cccggctgat ccttagcaaa tgccgtacaa ctacctccat ctcagttcaa    420

tcgtcactct ctcccattca tctctactta ttgattccct ctctcacact acatactcct    480

tcttcatgag cattctacgc tactctgatc cttccccccc                          520


<210>      9060
<211>      449
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9060

tggaaggatg cttcaatgga ggaaaagaaa gagggagaga aagatagagg ggggagcacg     60

aaatcgaagg aagaaaaagg gagagaagtt gaactttgag ttgtgtctca caagactctc    120

attcatcaaa gttaccacaa gtgttacaca tgcttctatt tatagactag gtagcttcct    180

tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa    240

gctagagctt agctatacac acncttctca taactaagct cacctccttg agaagcttct    300

ttaagaagat tcctaaagaa gctagagctt agctacacat acctctctaa tagctaagct    360

cacctncttg agatgagaag ctagagctta gctacacacc ccctataata gctaagctca    420

ccctcatgac aaanaaaaca tggaaatac                                      449


<210>      9061
<211>      211
<212>      DNA
<213>      Glycine max

<400>      9061

tatacactta aaatggaagt cttagtatt tattacctat acttaataga aaatacttat      60

tacactacaa aataaccata aattggaaga gtttgataca atttacacca tttttataca    120

caaaagttag tccgtttgac tgactaacaa tatacttatg tttccttgat aacatatctt    180

ttcaaaaatt ggagtacagt gacatttgct a                                   211


<210>      9062
<211>      176
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
```

<400>   9062

gctttagcca atggacttac cttgactnta attccttgat agccctttg agctttgtnt   60

ctccttccct ggtntgaagc tcactacaag ccttaagtga aaaaccatga tatcaccata   120

tccttaagga atcttggagc tttggaattg ctttgggaat aagtgtgggg gttttt   176

<210>   9063
<211>   149
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9063

gagttcatct agggcatgct ntgaagcaaa catatccact ccggagatcn ttctttccat   60

ttctttcgtt caatttcttg tcttcagcct ctgatgacta tgagagactc acttactcac   120

tgttgggggc ttgagtacca aagactctg   149

<210>   9064
<211>   339
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9064

agcttatgcg catacttctt tacgaacgnt cacttttaca agacattctt ataactaata   60

aaaatgcacc catatacaat caaggcacct tcggtaccta gaatatttat atgtacttcc   120

aaggtgtatt tgctacctac atcacacgca ttttctttgc taaatttaca tacatgctta   180

ctcaaagcac tttggctatc aaaattgcat acgtgcacat tctggtattt ttaatacctg   240

tacatacacc aactttatga tgaatcttga ctatctacac aataaggtgc tacattccat   300

gcttttctg aagtgctttc tatacctaaa gccggatgc   339

<210>   9065
<211>   463
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9065

atatngaaca tcacaagctc tcgagagatt cagatggtca tatcttgtct cacaaacttc   60

3848

gattcaagcg ccatatatac cgagacgctc gaaattggac aaccgaagct cctctgaaag   120

tcacacgggc atagactttt acacggaagt gctcactaag cgcatgcata tccagacgcg   180

ctaagttgac accgaagcgc tcgcgaaatt ctaatggatt aactattcac cggaagcccg   240

ttccagcgca tcgttatcca aatcctggca tgtactacga atgtctctaa caattaaacg   300

tgcttccttg gcctcggccc ccaggccttg gtttttcttt tgcaccctac aattcctacc   360

ctatctccct tcgcttcttg cttctttttct ttcctctccc ctcttgctct caattctaac   420

ccttcatcta ctcccaagtc tcgtactcca ttttgtctta tcc   463

<210>   9066
<211>   419
<212>   DNA
<213>   Glycine max

<400>   9066

gaagcgtttg tgaaagagca tttgtatgca tcacgtatcg ctgtaacaca tttctaatag   60

taacatgctc aaagtatgtt aacagataaa atgattctta tagacctgcc attaccattc   120

caccacatac ttatctgtct atgtgttaaa ggagaggtac agcatcgtca tcgcttatac   180

tcgtgactgt acaatgcgca gatacaacca cattatgttc atgtgacaac gcgagtgatt   240

gtactgtagt ccaatgtgca ttttcgaaga caaaagataa tgcatgcatc tagaacatag   300

tggtaattaa actaattctt cttaaaggtc agtgctctcg aatacgtaat gaattcaaga   360

atatacgaac tacgaagaca ctgacagagg taaaatcttg taaaaaatta agaaggagg   419

<210>   9067
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9067

agcttccatt ntctctttct acttgaatga gtaattctta agtttcatac atcatcaggt   60

ccatccttat attnttttt ccttctaatt attaaataaa aatattgttt tcttgaagtc   120

tcttccttcc atgtaataat gaaaccgtaa gatgaccaaa ttaattntac ttgctagtta   180

nttgaagaac caacgtcgca cgccaaaagt caaaacctac aacccatctg tcatcccgat   240

3849

tcattactct cgggattact tcagggtcat ttcattgtta tctcttcttc cttttcacac   300

cctcatttaa attttaaaac acctaaaata cccttctttc tctttaaaat ttaaaatctt   360

ctctcctact catgtccatg ctgatattnt agaagtccta ggcggattaa taaacaaaag   420

ttatacattt tttcgataac catatntatt at   452

<210>   9068
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9068

tctcgccatt ggcagcagcg agacaggtgc tgactgggca ctaaggcggt atcgccatta   60

tcatcagcga gacaggtgct gactgggcac aaaggcgtaa gtgctgactg ggcattccgc   120

cagtagcacc agcgagatca tcatgcacct ctgcacgcgc tacagacacc ttcttcacgt   180

cttgcatagc ttctggcttg acacaacagc ttatgacact cgtgtttgca ggtaagggca   240

catccaggct atggttctat tcatctgcag gttatggttc tgctcattgc acgctanggc   300

atggcatggt gaggagtcac atgggtacag tttcatattc acatgcgcct gtaattattg   360

tagaacatca tgggtgtaga ctgcgttaaa tgagagcatt ctaagacaaa atttacata   419

<210>   9069
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9069

agcttccttg agaaactatc ttgttaagat ntctatagaa gctagagctt atctacacac   60

acctctctaa taactaagct caccttcttg agatgagaag ctagagctta gctgtatgcc   120

ccctataata gctaagctca ccctcatgcc aaaagacatg acaatacgaa tgacagtccc   180

tactactaag actactcgaa atgccctgaa atacaaggct aaaaccctat attactagaa   240

tggccagaat acaagcccga aatagtaaaa acctattcta atatttacaa agaagagtga   300

acccaacctt ggcccatggg ctcaaaaaat ctacccttag gttcatgaga accccagggc   360

cttctttagc agctctagcc caatcctctg ggagtcttct atccaatacc ctt   413

<210> 9070
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9070

tctatggagg ctggatcttt gagcttcaat gagatccttc aatgttgatt ntacaccatg   60

gagattcagc ggaaggcaaa ggagaagagg agaggggaga caccatccac tatggaataa   120

gccaaggaag aatgagcttc accaccaaga attgccttgg ataagaagct ngaagaggat   180

gctttaatgg aggaaaagaa agagggaagg ggggagcacg aaattgaagg aataaaagat   240

ggagagaagt ggaactttga agtgtatctc ataagagttt cattcatcaa agttacaaca   300

agtgttacac atgcttctat ntatagacta ngtagcttcc ttgaaaagct ntctttgaga   360

aaacttcctt gagaagctcg agacgtatct catatgtatc tgttcaccta tgtttcttaa   420

gtcatagttg gacacaccta gttgctcata atc   453

<210> 9071
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9071

agctnggatt tcctntgctc cggatacctc tcctttctca tgtgaaccca aacctaatct   60

ccgggttgga aaacaacctt nttgcgcccc ttgtttgctt gtttaacata gctctcattt   120

ctctttttaa ttatggcctt gactctttca tggagctttt tcacgtagtc cgctttggct   180

tgtccttcct tatgcttaaa aactgaaata ttaggcattg acaacaaatc aagaggagtt   240

agtggattga aaccatatac aaccttcaaa ggagaacaac tagtggtgct atgcacagtc   300

ctattataag aaaattcaat gtgaggtaag caaacttccc aatttttaag attctttta   360

aaagggtcct tatcaaggta cccaatgtcc tattca   396

<210> 9072
<211> 329
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<400>   9072

ttcacanagc ttacngtata atctgggact tagccatggt agatttctcc acataggcca   60

ttgcctccct cgcctagtat tatgatcagc cgatgaggtg cttcacctttt ggggacttcc   120

agctatcacc tatggtagaa gaatctgaag agattctagg atgccctcta tggggaagga   180

aaccctacct cttctgaggg ttctatccct cattacctag aatttccaag atagtccaaa   240

tctcgacgca cgaattagac cataggacgc aagtccaaaa tggggtggct gggataccaa   300

gaaaatattt ggaggccaaa gcaagaatc   329

<210>   9073
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9073

agcttagatc aaatataccat ctgaattgat attcttatgt aaaaggatgg ttntatttttc   60

tcttaaacct cacaaactaa tctctttatt tgtatttctt ttatattggt atagcagaat   120

tgttagcttt gccaaagctg cacaaatgat gttgatgtca aatttgcata aatcagtaga   180

aggggttcag agtactcatt attgtagggg tctttggggg acttaagcat gttatggcca   240

taccatattg acatcttggg cagtgctaat ataactgata tatatttacc ccttaagatt   300

nttatggctg gagaattgtg tgttggtgag tatgtgttgt tatctatagg tatagaatgg   360

ttgtat   366

<210>   9074
<211>   223
<212>   DNA
<213>   Glycine max

<400>   9074

cttatgatca gttaggatga caaaggcatg acctataacg tattgatgcc atctcttcac   60

cgcggtggtt atggcgtgca actcgcggat gtatgttcat gaacggagta gtttatggca   120

acaatactta ctgaagaaag caatttgatg acctcgttgc atcaacacaa ctcccattcc   180

cgacctcgac tcgtcggtct tgacgataaa aggaacactg gaa   223

3852

<210> 9075
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9075

```
agcttttcca ttaccctagt taatttctaa naatatatga tatctactac ttcaatatga    60

taatggaaat attcaactat aaacatagtt catttaagaa aaagatgaat ccgctaaaaa   120

gattatatac ttgactaaat aagaaattgc aaatttaatt tcatatggtc atccccatc   180

aatgcaatat gataatttat cttttacctt tactatcaca agtttgactg atgggtcatt   240

ttcatacact ctagaacttc tatatttgat aaatctaaaa aatagtagag aagccactgc   300

cattctttta caacaaaaga actatagttt tttattgtta attattctaa catcatccct   360

ttggttaatg cgacatatct ttaattagtg tctcatcctt gcagctagct aggagatgaa   420

aagggatata tatctcttaa aaactacacc acttgagatc tcacct            466
```

<210> 9076
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9076

```
tcaagctcgc ttctacaatg atgatggagt ntaaagaaga cattatgaag atctttgaga    60

tgaccgacct cggtttgatg agttacttcc atggcataga agtaagtcac agaaatgaag   120

ggatattcat ctcacaaaag aaatacacaa aaggcttact taagagattc aagatgtatg   180

gttgcaaacc tgctgctact ccactcaaaa caaatgagaa actacagaag aatgatggag   240

caccaaaagt ntatgcatcc cataccaaa gtctaattgg aagcctccta tatctgaccg   300

ctacacggcc tgatataatg tatgctacaa gtcttctatc aagattcatg cagagtccaa   360

gtcacataca ctttggagca ggaaaaagaa ttttaggtat ctacaacgaa caaaagagtt   420

ccgtatatgg gatactaccg ataccaactc acaattactt ggctacactg aca          473
```

<210> 9077
<211> 544
<212> DNA
```

aggacgcccg cgcgcatgcg cccttgtttg anccccctgca tnacggacct atgagtctca   60

gcttgtgatg tgaatcgcgt ctantgaaga tgactatgca tgccctatca tactgattac   120

aagatcgacc caacaagttc gcaatctcga atgcttacat gattcgggca tgagactcac   180

actcgatgag cgtatgtttc gacattcatt gcaagagatc gaggcgctgc gggttgccac   240

ttcgcttcgg aagtcttggc anggcttatt gccaaccatt catatctcag ctccgctata   300

caagcagagt attctagagc tttctgattt accagagtag ctactcttgt ggaactgatg   360

cctcgtgaca cgattttggt tagccaaatt atcaacgtga attgcactcg ctcgagatga   420

gtgtatatgg cgtgataagg gcagcatatc gcaaccaagg acgcttgtgg ctgatcgttg   480

aattcacact cgagcgtgaa gagtcacgta ctttgtggaa tgcattgtgt atcgatacat   540

gccg                                                                 544

agcttaacct ctatacctt aatccanaac tctattaact aaaccctaaa ctctaaggct   60

tagacaccaa accctatatt tgaaaacccg aaacccttaa cccaaccttn taagcccttaa   120

accctaaaat ataaaaaata aaccctaaac cctaatggtt tagacaccaa accccaaacc   180

tcaaaaccct aaaccataaa cccttaaccc taaattctaa tccctaaacc ctaaactcag   240

aattctaata cctaaaccca aaactatgca ttataaaccc taaaccctaa actctaaacc   300

acaagggtta gacaatacac catacatctt aaaccctaat cccttaaccc taaaatttaa   360

atactaaacc ctaaaccctt aaccctaacc tttaaaccct taatcctaaa atatcaaaaa   420

taaaccctga accctaaacc taaaca                                       446

```
acacttagaa actaagctca cctttggtcc tcctatagtt gntgtatgag aaacatgctc   60

tatttcatct ccactgcngt aggcctncgg atcattcttt cctttaaagg gaggaatgtt  120

gagtttaata ccatcaattc ggttttgtct aggaacacca tcattccctc ttctccttct  180

ttcttcttca ttatgatctc tattctccat tngatccaac ctctcatgga gcgcatcatc  240

ttcgtgttca ttaaccctct catatgttgc atcaaagctt gcatttggat ttgcgaaagc  300

cccccctccat cattaggatt tgttcctgtc atctcanaca aacaaatcaa acctaacaag  360

acaattatag ttgttgt                                                  377
```

```
aactagcgat gaagaaagtg aacttgtttc cctttctctt ggaattttat ccacaggcca   60

acatgagatg aagaacaaga agaatagaaa tgaaaagatg agagaaaatg aggatttgaa  120

agatatactt gcacttggat tagatatcag atttgactct tcagctataa aaaatctaag  180

cactgaaagt agttgtgatg gggaaaggaa tgatgaggaa ctttcataga catggccacc  240

aagtaaagtt tgccagacaa ttatgagaac tagagataaa agtgaagttt ctcaacatgc  300

tgaactcaag aaggccaggg tgtgtatcac agcgagatgt gata                    344
```

```
agctnggagc gctatccgca gactcagcag aagttatgtg tgaaagatat cagactatgt   60

gcacgaatct tatacccaat gggttatgga taggaccaag agctttggcc taccctaccg  120

cttacctaga tacctatcgt ccaccatccc accatcatcc ttgcctatcc ccttcgacac  180
```

caaggaagaa gttcatgaac aattaaccaa aagaaaggca agaaaaagaa acttggaaga 240

ggagatgcca ggagctcgag caagagaatg agactttgaa agggaagata gcccaacaga 300

gccgtgagct tttttatccag aaccagagga tgatcgagaa ggacgacttg cttcgtcaga 360

aagacgcctt gctccaccga gat 383

<210>   9082
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9082

cttgtccatn tatcacatgt ccagcaatca tactattcta aganactgaa tccttgttct 60

ccatgttatc aaaaacaact ctagcatctc ttaacatccc tgactttgaa agcatactaa 120

ttagagagtt gcacacaagt ctttctgtct caaaaccgag ctttacaacc aaggcatgga 180

tttgcattcc tatagccacc gcaccctgat tggccaaagc tgcaattaca gtacaaacag 240

tataatagtc aggtctgtat ccctcaactt gcatcagaca gaacaattcc cacacctgat 300

cattaaatct attccatgaa taacccgtga gcaaggaatt ccacgacacc acgtctctgt 360

cacccatctc atcaaaaact ctcctcccat ctctaacatt ccccgttntc gtgtacatat 420

c 421

<210>   9083
<211>   471
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9083

agctntaaac aacttgtata atcgataaca· ataatgctgt aatcgattat aaataaagag 60

tntttccttc tgaagaaact tttctaactt ggaaatattt cttctcacta ctaaaaaaaa 120

tgctttcaac atcgctactt taacatcggt tntatgaaaa ccgatgttaa caaaagaaca 180

atggcatttt cgtaaataaa ttgattttgt taacatcgat tcttgataaa atcaatgtta 240

atcattnttt ggtcaaaaac cctcttttca tcttcagcca catccactct cacttactca 300

ctcagtcact cactcattcg ttcttggcca aaagccatct ttcattttnt gccacgtcca 360

3856

```
ctccaccatt ctcctcaccc tcaacccttaa cccttaagtt cagtactggc ttcaaccatt    420

tcctccttgt cacctctctt gacgcccatg acgacaattc ttaccgctcc a             471


<210>      9084
<211>      307
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9084

atactaagct tccttcaacc tcctccttgc taatgttcct aaaggagaca agattataga     60

ctcacaaatn gcacaaacct caactcttct tgaacanctc ctgtctctaa cctttccatc    120

actcccctag ctactccctc agcactagca agactcttcc caacaatgac tgtgtttctc    180

ctcttgctca caagttcact caaaacacta gttacatcat ctacatgatc accaacatgg    240

tctatagact ngaatgatgc cccaaattga ccaaaagatc tagatggnga catgctgctg    300

ctaccac                                                              307


<210>      9085
<211>      418
<212>      DNA
<213>      Glycine max

<400>      9085

agcttgtctt ttctcttctg gtcaaaaatc atatttacga gaattattaa tttgaattct     60

gcgaaggaca tttgggacta cctcaaatca gagtattaag gtagtgtgca aactaaaggt    120

atgaaggcac ttaacttggc tacagaattt gagatgcaaa gcatgaagga gacaaaaact    180

atcaaaagtt atgctgacaa acagttgagc attgcaaaca aggtacgtct ccttggtaag    240

ggatttccta acgaaaggat agtgcacaaa atagttgtta ctatacctga aaaatatgaa    300

tccaaaatat cagcattaga ggagtcaaaa gaattgtcaa atatcaccct cggagaattg    360

gtaaatgctt tacaggcaca ggaacatagg agaatgatga gacatcgggt ggcaatac      418


<210>      9086
<211>      516
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
```

3857

<400>   9086

tgtccggcgc gcgncggtgt nctaatatcc tcgacnnacn gaaacngaag gtnatagatc   60

tctcatgagc ttaatatcac aaatggacac aatatttatg agctttattt atcacgagcc   120

tttcaagctg aatgggacta agctgcgtat gagcactgct taccatcctc atagtgatgg   180

acaaactaga gtgcctgatt gagtatcgga acaacttacg taggtgtttt ggataataag   240

ccatcctaat gggataagtt tttgtatcgt gtctaatgga gctacaaccc cactacttag   300

ttgaccacta attgaacctc catgaaattg ttgatggaag cctcctgcct atttgtccta   360

tcataagctg gtactttgcc cggaagcgat gaatctatct tgcttttgcc cgaaacattc   420

cctctctcga ctacctggac agccgacaca ttcaaataag tggtttcctt tcgaatgtca   480

aacgtcttgc atgggacaag tgaatggtcc cacaac   516

<210>   9087
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9087

agcttacggc ccatgaaaat actccaaaac ttaactttta aaatatagca ngaaacaaac   60

cacaaataaa aatttcatcc tcatctctaa gaatgatccc acagtgtcaa cttacatagt   120

ataaaaaat ctgtaagttt gttctagata gtgtttgaaa tttagtaaga tcaaattaca   180

tagttaaact caaaaaaatg cttttggtct cttagccccc tccccncgga tatttggtct   240

tagtttttta ttttcaaact gatgaattaa aaaccaaatt ttgaaatgac taatttatat   300

tttaacatta aatataaaaa aatatttaca aatcattatt caataatatt tcattaatta   360

aactnaattt gaagatattt ntaaactaaa aaagacaaat acatgtggtt ggtatattta   420

atttaatatt ttttaattat taacacaaca acctttcctt aaagagaaag tgattacaaa   480

ttt   483

<210>   9088
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   9088

gtgcaccttc aatctattga tcaacttcac tttgtcattg acattgaaat tgaatngtat   60

cgccaagact taaaagtgtt acaatgttaa atggattgat catgttggaa ccctaaacat   120

tattaactnt gaacttctaa gatggttgta aaaaaaatca tcgtacaaat ttggactttc   180

ctctcatcgc gatagattgt atttctaatt tattttatat ttaaaaattg aaaatagtga   240

cctaattnta ttttaaaatt attttatgtc ctaaaattaa acattaaata gggcctgaat   300

tagcgaccga aatacatttt taatntagtt tacatttaac aatcaattat aaattagcga   360

ccgaattggc catcgaactt acttttaatt cattttatat ctataaaata gtcaccaaat   420

cagcgaccga atgta   435

<210>   9089
<211>   457
<212>   DNA
<213>   Glycine max

<400>   9089

agtctttatc actgccagac tatttatgtg agtctcttta gaggtaaggg atgagtttat   60

cacaattacg gttagaatga acatgtgcag agattcttac aggatcaaat tggggtttat   120

tttgggatgt ttattgtatt acaattcttc atgtatgatt ataataacga gattgtttta   180

tttgatggat taattgatgc cctaatgcga attggttgat atagtgagtg ctcatggtgt   240

gaaattattt gcggggccca tgttgtgaga agcatttgt ataatatgtc tgtgttttgg   300

acaagattta ctatattagc tcgatatatt gttatatcgt gatcatgaaa ttgtgattaa   360

aactatgtgt tagtgatata ttgaatatgt gacgaattat gagacattaa gttgtggaca   420

tgggatatgg tatgaataag tgtgggtaat attgatg   457

<210>   9090
<211>   370
<212>   DNA
<213>   Glycine max

<400>   9090

tctaagctta atattgcaac aattggcaag aatgaaatat ttttttagct atattgtgga   60

ctttgtgact atcatcgaca agatggtagt acgaacaatt ttcacttgct ttgcaatttt   120

taaagcagac caaagaagtt ggatgtgatt ctacatattt acagagatat gtacaccact 180

acaaatttgt gtatatatag acaggggaat cgattgctag cagtttacaa tcaaacgcat 240

acgtggaagg acaaatgttt cgttgtgttt gcataaattt aacaaacagt taaaaatgtg 300

actataagaa gcataatatg gtatgctcct ccattcatgc atatattctc gctcataaat 360

tcacttatta 370

<210>   9091
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9091

ntatgtgctt ganatataag cagtccacat cacagtgctt ttaaggttag aaaacttcga 60

cataaaagaa ttccctacca cataaaagac ccctcttcac tatagcacaa tggatcagca 120

tttctaaaat taccttggca gaacccttgc aaacatctat gaggcttgca aatgtaatct 180

caaatggttt cactctcaca tttgcatctt ataaagaaga gtaatagaat ctttcttgtt 240

gtttatagca tcatctcgca tctgagcatt ctctccgact cccctttgc ttcggtctgc 300

tatagataat atattgctat cttccatgct cctctctctt ctttatgtgc aatcccttaa 360

tcttctccct ctcgtctttc ctcaacttct ctctctcact cttttctcct cctctgtccg 420

actcttccct cg 432

<210>   9092
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9092

tatcctggtg tttcttaccc gttttctgtg ggtaaacatt ataattagcc aattctaagg 60

cttcgttaac aatggtgttc gactaggttt tcctttcact tgatgattnt aatnttatca 120

gtgcagtgaa gtatatgggg aatgtctcta acagaattac cccccaactc acagtgatat 180

atttatggtt atcaaccaag tgctgtaaat gactgttgcc attgggaagg gatgtctatg 240

ctgcttctaa cttttcagat tagcctttgg tgttctatca atgtaatgtc atattactca 300

tgtctgaatg ctatgtactg tgttcatcca acgggccatt tcgtagactt gagccgtcct   360

atcttaatta cttaact   377

<210>   9093
<211>   326
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9093

agcttncatc aagtggtaat catatcacaa gagtttatag tggtgctcct taaacctnnc   60

attaattttt ttctttacct tctcttccat tgnntgttct tcattttttct ccatgtatct   120

cctcacatgt cttggtctaa atgttgttaa catgattctt tagagtttcc accgattaaa   180

cttgctatag aaactagatt tgatttctat ggttcaaatt tcttgttctt ggtcttgaac   240

catgaattgt gttgaagtta agccctatga gttttgcttg ttatttttgg ggctgaacct   300

acaccattaa attcttacaa aatatt   326

<210>   9094
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9094

tctggtggga catcttgact ggctntccaa tctgactatt acctcatatt ctgccttctt   60

ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc   120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ctggagaata   180

gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc   240

tgctgccctt cattaggact tcactcttct catttgtcac caagcattct gactttgtga   300

agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc   360

ccttcaccag cagtactttt gtccagact   389

<210>   9095
<211>   363
<212>   DNA
<213>   Glycine max

<400> 9095

acttctgtg attggttaaa gatacaatct ttgctattag aatgcttcag aaacattaag   60

aaagctagct gatgggccta aaagaaatgt tataacctgg caaggatacg acatatatag   120

gtatttattt tacacaaaag cacaagatga caaaagtaca atgctcaact gcggcgtcac   180

tctaagggct gaatctacca ctttgcaagt gtcaatgacg ccaatccttg cgtagcattc   240

atccctaact gtgtgttcat tgatgaaatt cgggagcctt actatgtgaa acttacggta   300

tgtgtttca aatgtaaatg ggttgacagc aacactcggt gtgcgcactg atgatatacg   360

att   363

<210>   9096
<211>   343
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9096

acacaagaaa ctaagctggt ttcaaacttg ggccacctaa gtaccatcgg attataatat   60

atagaaatat attgacatgc ttgattcaag tttacattta aacgaaagat atatnttggt   120

gcaactaaat aacttggtaa ttgaatctta gattcggaag tgtgtgatta tattatatag   180

agcccaggca agaaacataa cataagtgta catccatgac tccttaaaga cgttcttgta   240

ggctttctag ctctccttgg aattgtggtt ggagattttt tttcttgttg gatggctgga   300

agataggaca tgttatgtaa aatagaaaga cattgatatt aaa   343

<210>   9097
<211>   349
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9097

agctngattc tttcaattaa gtatattaaa tgtcttagtt ntgagaatgt taccccctgca   60

tttcacaaat gtctctgcca taattaaaat aattttggtt agcctacagt atattaactg   120

gtgatagtat tgtaattttt atcacccaat agcatagcca ttgtcattct aaacactatc   180

ttttttttcc acttacagaa gaagaaaact acttggtcaa ttaaaagctt atagtaaata   240

aatatttaag tgaaagtaaa atatattgca ataatttaaa aacaatacca aaattgaatc 300

tgtagtccaa tgattacaac aaagaaacaa aatgaggggg aaaaaagct 349

<210>   9098
<211>   438
<212>   DNA
<213>   Glycine max

<400>   9098

tcatcctcaa atccctcttg ttggactagg cccaatttat acgatcctct taggtttaga   60

ctaacttaaa ctgagtttca tccgtagatc cctcttgtaa gactagactc agctcaagca 120

gcttacaaaa gtttagccaa aattggtccg cagattcctc ttgcaagact aggcctagac 180

taaacagcat tattgtaaca acataattaa aaccaaaact ttatctgcag atccctctcg 240

taagactaag ttttgatcct gcttcaatca agttctaagg caacagtaca tttccaaatg 300

ctaaagtcac ctaactatgc acacaaatgg atgatcaaac caaaaagcat acaaacatta 360

agcattgaac gaagcattga acacagaaaa cataatcaat tagatatcaa gtatttacat 420

cagttgttca ttagaaat   438

<210>   9099
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9099

agcttagttt ttatacacga tagttggact ggtattattt tctgaagtgt tagaaactct   60

atcaaattgt ttgatgatca tacacttgtg attagagagt ttattctttg cttataaaag 120

atatatgttc gtgttcgagc ttaactatat atcatccagc tctttgagag ctctaaatct 180

tatattcatt tcaaattgtt ggttggattc caacttacat tcacgtatat tcgctaatct 240

ccttcatatg aacttgtacc aaattaaaaa gctataaagt aagtagaacc ctctttcaca 300

atattntgaa attngtatta agtgtttctc ttatagaagc atcgaattga taccctacgt 360

ttggaaagaa tataataaat aacgagtaaa ccaacctcca tgaagcatca aaagaaaact 420

caaaacccat attgaatgaa g   441

3863

<210>   9100
<211>   144
<212>   DNA
<213>   Glycine max

<400>   9100

gtcatggcgg gtatcttcga cgtatgttac aagctctatg gctgccgata tagtcctcac   60

ctaatctcta tgtgcaggtg acagccgtga gtatgaaagt accgagctta gaggatagcg   120

aaccaccatt gaagcccctg atgt   144

<210>   9101
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9101

tgtaggaata tggngtaccc atcacatgtg gtactatgtg gctgtcgggc gatggtgcan   60

aacaagtttt ccacatccac aaatcgcgca taaacccacc atccnctatg gcccacctcc   120

aactgagctc acgtactccc acgtagccca tatcctcgtt tctctcaaca ccgggtcccc   180

atcaatcctc ccaagctttc cccaacatcc aggtaaaaca acattcaaac agcacanact   240

atcacagcca agaaaacggn gcaaggcag aaaactctgc ccaaaacaac caaccaaaat   300

cacagctttc tcacttaaag accccagtaa caattccttc gttccagttt cttaaccgtt   360

ggatcgactc gaaaatttac tggaagctct agtacataat ctacat   406

<210>   9102
<211>   69
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9102

agcttgtaag aagtatagca atataggaga atggttttgn ttgatgataa agacttagat   60

tttaatcat   69

<210>   9103
<211>   375
<212>   DNA
<213>   Glycine max

actaagctgt gcanataaat cactcctaca tttcatctct agcatgcatt ttctttcttt   60

acccactcct cacgnttggt tttttaggga aaaacaccat aactaaacgc gccgcaaggt   120

atccctatcg caccagatcc aaatctagaa cgatgggtga tcaagaggag acgcaggaac   180

agatgaaagc cgacatgtcg gctctgaaag aacaaatggc ctccatgatg gaggccatgt   240

taagtatgaa gcagctcata gagaagaacg cgaccaccgc cgccgctgtc agttcggctg   300

ccgaagcaga cccgactctc ttggcaacta cgcaccatcc tccctcaaac atagtatgac   360

ggggaaggga cacac   375

<210>   9104
<211>   413
<212>   DNA
<213>   Glycine max

agctnttnta aaaacntttt tttagataaa aggcctttgt caaactataa aaaaaagctc   60

gttaagtttg ataagccggc ttatttaact aataataata ataactctta atccataaca   120

ttttatgaca ttatgaatga caggatgaag tatcataaag tgcttagaga attcacttgt   180

atgtggaaaa nttttaaaaa gaaaaagact ctaagttaaa aggataatgt aaccagaata   240

atactttcaa agaaaagaat gttttataaa gacattntca gacaatttaa atatttttat   300

ttggctatat tagtataaat catctctaat ccatatnatt tttaatattt atgctctctt   360

tnttcattnt cttttgatat actttgtggt ttaataactt gaattcgata tga   413

<210>   9105
<211>   457
<212>   DNA
<213>   Glycine max

ctaagcttac atcttcctga gtagctgcca ttggttgtat tgtagcactt ttataccttc   60

taaaggaaca agtatagctg gtaaattgtt tgtttgtctg tgatgaattc ctatggtatt   120

```
ctccttttat agagctagga atcaggacta gctagtattc agcagatacg taatcaatta    180

gaaaagatat acctatatac atatcatggg tatagtcaat agtggggacg ataacaaaaa    240

aatgggaaag tgctaccgtg tattaaattc attttgattg ctgcgtatga atgcggagac    300

attgcacatg agaaggatct aganaaaata tgaaaaaact nttccctatc aagaagaatc    360

ctcagagnta acaaatgtgg aaaaataaat gatgtaagag attgcgtaaa ccgtgtagag    420

aagattcctc taatatactc gatcctcaat caaatat                            457


<210>      9106
<211>      430
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9106

agcttctata taagcagaac catnttatca ataatgtcta gttgagtttt attcagaata     60

ttagagttta tctctttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa    120

gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag    180

agagattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa    240

tccacctctg cccagaatta tctcgtggcc ataacttcaa ttctacgcac tcaaattaag    300

tgattcttga gcctaaatgg aattccaaaa cgagagcttc cacctctgtt tggaatcact    360

tcatttggag ccgtgtagct tccgntattg ccatctctat atttctggcc agcccccaca    420

taacctacat                                                          430


<210>      9107
<211>      227
<212>      DNA
<213>      Glycine max

<400>      9107

gctgtacatt caatttcgag cgttccgata tattacggga ctcaattgta catccgagta     60

attagttatc gtcgcttgaa tttgctcaga gcttcaacat tcaatttcga gattttcgat    120

atattacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga atttgctcag    180

cgcttccgta ttcaatttcg agcgtctcga tatattacgg gactcaa                 227
```

<210> 9108
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9108

```
agctnggaat ggtacgatat atctacaagg ctgttttgga tacaagagtn tgtgcccgca      60

aaatatttgg aaagaaatcc tgcacctctg gttcgaactc ctcttaagac tctagtaatc     120

aattcccttt acgtagcaaa gatagaccct tagatacaaa atgatggagt gctattttaa     180

gaaaaaaaga agtattctgg tctccttgag catgcccttc gaatctcgat ttttctcgcc     240

ataagcattc ctgaaagtgc aaaactatnt gcatctcctt ttgtgctaga acttcttgat     300

taaataatgc atccgagtat cctatattca caatctattg gtggata                  347
```

<210> 9109
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9109

```
actaagcttc aggctactca atngctccag gttgctgcat ggaagggcaa atgtctgtat      60

tgtggtcagc agaggagcac aaaccacaaa cccttgcgac aggtacagat ttctgattca     120

aggccagctg ggttatcaag ttaaccaatg catccagtct gccttcaagc ttcttagttt     180

tagatgatgc agatgggtct gtagctacct catgcactcc cctaatgact atggcatcat     240

ttctggcgct aaactgctgg gagttggaag catcttctca tttaatttct ggctcagcan     300

ggtcatgcct ctaaaggctc accactggag catctatcat actttgtcca tatactgagg     360

cttcataaaa aattga                                                     376
```

<210> 9110
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9110

```
tgttgtaaca ttntcaatta agggggtatg atgtagtgga ctaattcata tgctcgtata      60
```

cgttagttta tggtagttaa acaattaggt ggttataact aactgggatt gttgttgtaa 120

gttccctcca tgtataaaaa ttattcattg ttaatcattt caagatgatc aataatacaa 180

gtctcattct caattccatt tactctatca cttctcttaa ttctctctaa acagaaattg 240

tgtgtgtgtg tg 252

<210>   9111
<211>   262
<212>   DNA
<213>   Glycine max

<400>   9111

ccttcatctc ttcggtgtgg caagcttgtt ttcttttgtg ttaggatatc tacatcgtct   60

gcctcagtca ttgtggtgca gtttatatat ctgttggaca acttcactta atgccacatt 120

gatttaagat gaaatctaac atgatatcag agcttatagt ccggcttagt tctctctacc 180

atgttggttg taaaagcagc agtacctgag attctcattc agttgtttgc tcttagaaga 240

gccctacata ctactaatct ca 262

<210>   9112
<211>   351
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9112

agctttatga atgctatngc cgattgttaa caggttgatt agagtatctt cccaaactgt   60

aattgttatc tttatatttt ctttcaccgt cttgatggct ttccacattc cgatttcaga 120

ttgataacaa ttcaagtgtt gatacaaaat gtgatttcga acttggtagg tgcagctaca 180

ataaatctgt ctcggggtgg atgggtgcca attataacat tttttctccg tctttcgtta 240

tgttatgctg gtcggtgcaa tcacaattgg actgttcttg ttattcccgt gtaacctttg 300

agttatgact tatgataaca cagcttttat ctatattccc tcatgcatct c 351

<210>   9113
<211>   288
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   9113

agctctgaat gcactattca tgtttttgac aagattatct tcagactgat caacacttgc   60

acagtggcca aagatgcatg ggagatcctg aaaatcactc atgaaggaac ctccaaagtg   120

aagatgttca gattgcaact cttggctaca aaattcgaaa atctgaagat gaaggaggaa   180

gagtgtattc atgacttcca catgaacatt cttgaattgc caatgcttgc actgccttgn   240

gagagaggat aacagatgaa cagctggtga gaaagaatct tatatcct   288

<210>   9114
<211>   341
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9114

tgactnnggc gatttgattt agccttagtt tcactttatt tattattcaa ttcaattaag   60

aatgagaaat cccaaagaga aaatgtccga ttgattcttg tgcttcattt tactaaaaga   120

tatatttctt tattattata ttattatttt acctctgttt ttttatttcc aacgtggtta   180

tggcacgacc aaacggtggg aattcattnt aacaaaaatt atacgaatac tacaattcaa   240

atgatcggtg gaaatttatt tttttagatt acgcgcgaaa tgacttacat aaatgactga   300

agcacgtcaa aaggtggtac gaaaagaaaa tgatacgaga a   341

<210>   9115
<211>   291
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9115

agctngagta caaatcaatg ttgtttatat aatnttacat atgtactctc atatatgttc   60

atgatgaaca attattttaa gctgttctaa gatttgtgtc tggagaagct tctttgttgt   120

tcaataaaat tacgcactac aacatttgtt ctttccttga acccggccgt aacattttc   180

ttttctctat tagggaagtg gcaccagatt atctttctct aaagttcaga tgaggcttcc   240

aacanattcc aatgatatcc tcagtcattt cgcatgtctt atgaacccca t   291

<210>   9116

<211>   359
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9116

ttcaccatnt gttacagagt ttaatgccgn taactgttgg tcattgtatt tagtgtcctc   60

tttaaactct tctgcattga acttgaaagg gaagggaaaa ttcatttcat tcaagaattg   120

tggttggctg gatgaacctt ctctccactg cattatgaag ggtgtgtcaa aatgagattg   180

taaaaatgat agatgaagcc aacaccaaan attgtaataa taaatctgtg aaggtctgtt   240

tcccgggaag caaagtccca agccagttca aatgtcaatc aacagactcc tcaatcactg   300

ttaatctgtc ttcttacctt aatgaatata tgggatcaac tctgtgtgtg gttctttca   359

<210>   9117
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9117

agctatgatg atatggtctt catctacgaa aggattatag tgggtctaan aagaggcaaa   60

tctgatcatc atgctttgat aaatgccaaa aaaaactagg gcaaatgaag aacaccacct   120

ttagcacaaa cctaaatcaa ccacaaagtc tgtctacccg cacttcaatg acgaacacca   180

cctttagcac aaaccaaaaa caccaaccaa gaaatgaatt ttgcagtgag aaagcctgta   240

gaattcaccc caattccagt gtcctatgct gacttgctcc tatatctact ngataattca   300

atggtagcca taccctagc caagggtcat taacctccat ttctccgaga atacgactcg   360

aacgcaacgt gtgcttgtca cgga   384

<210>   9118
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9118

tctacttatg tggcagggcg ggcttccttc actntcttgt ctcttatgcg agctctgacc   60

actgttcttc cttcctgcga tgcttctttt catgtccgcc tgagtgggat tatagcctaa   120

3870

accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtctnt   180

gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc   240

cgcatcggac agacaaggtt gcccaaagag ggagtccacg gaggaaatgc tgaccacctc   300

aaaagactgg aaaagcggtt ctaacgattc ttctgcggct tccacataag gcatggagga   360

tgggcagctt accaagatat cttnctcgcc tgacacgatg a   401

<210>   9119
<211>   447
<212>   DNA
<213>   Glycine max

<223>   . unsure at all n locations
<400>   9119

agcttgtaat atntatagct tcttttatta agcgtgtatt atctcacagt ggatgaattt   60

cctgagtgaa actggtgtct gatgcttatg acccacggag tattaactgt atacattaaa   120

tgcacagcct tccttgtgca accgaaccac tttgatagac taattggtat agcacttctg   180

tacaaaatca attccttttg cctgaaatga cgtctacact acagaatgtg tcttctgata   240

aagaatgaca acttctagat cttgaacttc atttattctt caaggattcg acagatccta   300

ggagagtgct tttgcataat ggatctcaga caaagtatca aatgaagtct tatatgtcat   360

ctcttacatg ttgagtgcat catggctata gtcgactatc gtatgatatt ccacatgcaa   420

actcatgatg catttttgat atccgat   447

<210>   9120
<211>   136
<212>   DNA
<213>   Glycine max

<400>   9120

ctaagctgga tgcgtaaggc tcactataga agcatgctca tgccacaatt gttattcgtg   60

gctatacgag acatcttgcc atacactggc cggttaacta caactcgcct gcgctgaaaa   120

ttccatgcgt atatgc   136

<210>   9121
<211>   385
<212>   DNA

<213>   Glycine max

<400>   9121

ttcggagcgt cgcgatatat tacgggactc tattggacat tcgagaagaa cgttattgtc   60

gtttgaattt gatacgagct tccgtttttca atatggagca tctcgatata ttacgggact   120

caatcggaca ttcgaataaa aagttatcgt cgcttaaatt tgcttagagc ttctattttc   180

aattcggagc gtctcgatat attacggcac tgaatcagac atccatgcta aaaagttaat   240

gtcgtttgaa tttgatacga gcttccaatt tcaatttgga gcgccgcgct atattacggg   300

actctattgg agatcccaga aaaaagttat gtctcgttga aattgatatg agctcccata   360

ttcaatttgg agcgtcttga tatat   385

<210>   9122
<211>   374
<212>   DNA
<213>   Glycine max

<400>   9122

ctgcataccc caaggatcca ttaggaaatt acttgtgaaa gagatccatg agggtgggct   60

catgggccac tttgggatag acaagaccct tgtcttcctc aaagaaaagt tttattggcc   120

ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttgtt tacaagccaa   180

gtctacggtg atgcctcatg ggctatacac acccttaccc atcccatctg caccttgggt   240

agacattagt atggactttg tccttgggct tcctagaacc caaagaggtg tagactctat   300

ctttgtggtg gtggataggg ttagcaagat ggcacactct ataccatgcc acaaggtgga   360

tgatgcttcc caca   374

<210>   9123
<211>   265
<212>   DNA
<213>   Glycine max

<400>   9123

agcttgtatg ataaaactgt cttgagaagc tagagtttaa ctacacacac gcgtctaaga   60

gctaagctca cctgcttgag aagatgtcgt aagaagctag agctcagcta cgcacaactc   120

tttaatagcg aagctcacct gcttgagatg agaaactaga gcttatctac accccctat   180

```
aatagctatg cttacccca ttccacaaat tcatacgaat acaacagtta aatgtcccta  240

ctactaagac tactgcaaat gccct                                        265


<210>     9124
<211>     314
<212>     DNA
<213>     Glycine max

<400>     9124

ctgcggatgt ggtcttctcc agagagaggt atcgatttta tctgtactag gcaaatctaa   60

tcatcctgct tagacgaatg agaaagctgg tgcatatgaa gagggtgaga aagatggaca  120

aacccatgct gtgactgcca ttcctatacg gccaagtttc ccaccatacc catcaatgtc  180

attactcagg caataacaca ctttctcctt acccaccacc ccattatcca caaaggccat  240

ccctaacact accacagagt ctgtctacgc gacttccaat gacacacacc acctttagca  300

cataccataa acac                                                    314


<210>     9125
<211>     432
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     9125

tgattgaang atgaagttgt ggtgcgtgat cttgtttggt gtcacccaaa tgcaataaaa   60

gtatgcaatg gatggtatct tggtgttttt atagacaaga cctaccaaat aaacagggac  120

agaactccac taattgactt ttgtggagtg acaccaacgg cgatgacatt ctctgctggg  180

ttngcatatc tggaggctga gcgtgttaat aatattgtat gggctttgga aacgatttga  240

ggcctaattt taagacacga tcgcctcctc ttgttattgc actgacagag actagcactg  300

atgaatgcag tgaaactgtg tttctcgagt ctactaaaat tgtgtgcagg tttcatatcg  360

ataagattgt gacgcgaagt gcacatttta atcggcgaaa aaatgtgtgt actatgaatg  420

gataccgacg an                                                      432


<210>     9126
<211>     221
<212>     DNA
<213>     Glycine max
```

<223>   unsure at all n locations
<400>   9126

tttgaggaga gtgtacatta ttcagaagcc gttgganaaa tctctaactg tcataatgct   60

ggtgttgtag agaataagac tatagagaga gagagactaa cagtgcttcg ggaaaagaga   120

aataataatc tgcggagaga gaaagttgtt aaggcctgng gaacacttgc atgccaggcg   180

ccaaacggaa cgaccactaa caccctntct ttctcctcca c   221

<210>   9127
<211>   549
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9127

tcgcccccccc gcgcgtatga tctcatgaca tctgacacta tgatactcaa gctgagtggt   60

aggaacaatn tgagatcgct ctcgaatgaa ctatgagcgc tctaattta agaataggaa   120

aacgtagtcg gcaactgatg cgtgatcatg aatctgacaa ccgatctaat aaagatgaat   180

atgagaggac acattactca cactctaagt tacagacatg attcttgtat gctccacaaa   240

tggaacgcta tgagaagatt acaagtacaa gagactctga taggaaagtg aagcatgaat   300

atcctatgga tctaatgagg aatatactcg ggcgcatgac tcacacctaa atcaaaggat   360

atgatggtgg ttctctcgca tatacgaacg cattctgata gtgaatagac ataggaaacg   420

ttgacaggaa tacgaaatat gacagctcat aaaaataatg aagaatatat atgggcacat   480

gagtcacacc tcagcatgta ttaaagctta ctaagtatan gaatgaaagt tattgacacg   540

tggtgatcn   549

<210>   9128
<211>   458
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9128

agctataatg ctcatacatt ctntaatatg tttaatattc ggaaattaag aagttgtaag   60

tgtcatgtta agccttgtcc ttgtgttatt tagacttgtt attatgaggc aattcacgta   120

```
gtaaactcca agttcattag tttttccatc aattactgag tgttttatgt gtctgtattt    180

ttcattccgt tcacgtcttt ctccatctta gcttcggctt tgcattntat tgactcgttt    240

caaacatttt cttggctgcc ttgttcttct tctgctagtc ttttgttgtt tttggtattt    300

atgtcatctg cttcattggt ttgtctacca ctgacatctn ctgcataaca taacacccgt    360

gtttcttgtt gagttccaat ctctttcatt tgtgcatttt ccagtgtggt ttaaatagtc    420

tcctgccact gtggctgatc tccactgcca tatcatca                            458


<210>      9129
<211>      381
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9129

tactaagcta taaggcaatg atgaaataac ttaatcatat tattttgcat tacctgtttc     60

ataatattct aaatgatatc aattgtgatt tgttgttgta ggtacttgat gaagattccc    120

ccaagacatt ggagtaagtc tcggtttaca ctagatgcaa agacaaacat gttactcaat    180

aacatgtctg aggcatttaa gagtgtaatt gtggaggccg gacacaaacc aattgtaacc    240

gtgtgtgatg atataaagat atgtntaatg gaacggtggg ctntaaatat aatgaaggtg    300

cttgtatggg aaggaagtgc gttacctaag ataaagaagt nggtggatct taagtctatt    360

aacacacaaa actggttatg c                                             381


<210>      9130
<211>      438
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9130

agcttcatga tggatgaatc aagtgattca agaagttttg atattgacaa agatggtgac     60

aaaaaaccca agaatgatt tcaagattaa atcaagatcc aattccagaa tcaagagaag    120

tttgatttcc agattcaaga aaagatgaat tcaagttcca agagaagaaa tcaagaagac    180

ttcacaatgg gaagtattga aaagattttt taaaaaacaa acatagcaca attttgtttt    240

tcaaaagagt tttcacaaaa ttttctatgt taccagagtt tttactctct agtaatcgat    300
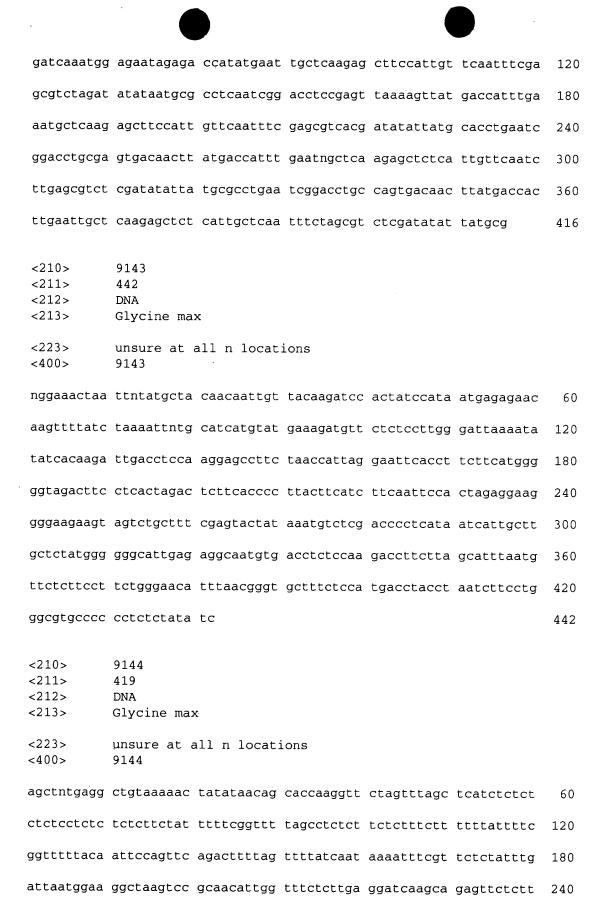```

```
taccagtttc ctggaatcga ttactagtgg gcaaagttga tttcaaagct tttaactgaa    360

tttacaacgt tccaattgat ttcaaaatgg tgtaatcgna tacaagatat tggtaatcaa    420

ttactagtgc atctgaac                                                  438


<210>      9131
<211>      307
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9131

tatgagaatt ccaagctnta taagtaaaga gtaaaaatnt atcatgatca aaatctttca     60

aaaaagaaat ttcagcctgt cataccctaa ttttgtccag ggactatcgt tcgttgatct    120

tttgatcctt gctagttgac ttacggtctt gaatgccagt tacagtgcaa agcaaggaac    180

cattcagtgt ttcgatcagg aatgcgaaaa ataccaaaaa agaggggcaa aaaggtcttt    240

tcattgagtt tcctggaccc tagctcgccc aggctagcct ctggctcacc tgngccctca    300

aattact                                                             307


<210>      9132
<211>      463
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9132

agcttaggga agagaagatg aaagtaatca ctaatgaaac aaacatgtct aatattgtcg     60

accatgtaag ggagattcaa taccccacac ggtggtccaa gcaaaccttt gattnttgcg    120

taagtagcaa aatagaggaa aggcctcatc ggtcgacctg gaaaggaatc ttgaaaagga    180

atttatccga cccaacaatt ggttaacctc tttaacgttg cttggactcc gcatgagcat    240

caatcaggat tagccttgat tcatcgatat ctgagcatga acttgaggaa cttgcctact    300

cgtaccccan acgagcactt ctcanagttc aactaaagtt ggtattggcc taacatatca    360

naaagttntt agaggtcagc aaaacgttta ccaacttcta aggactntac taccagttca    420

ttaacatang cctcaacaat tntcttggat aagttggcaa aat                     463


<210>      9133
```

3876

<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9133

```
atgttactat ttattaaata tgaatcatct ttattttgtt tatattccca aaatcttatg   60

aaatgaaggg gatggagaaa aagaaaaaag aaatccatta gcaagctaaa ataacctnct  120

taaaaaaaaa agctaaaata agccctacca atatttcatt gtcgtgcaat agtgaaaagg  180

acaaaaggga aaaatatctt cctctactaa tagtataaag cgtctccttt tctcgtgtac  240

gtgttttgaa aactgagttt agacgtcaaa ttgaagcana atcttaatgt tatcttatct  300

ttaatcttaa taaatgtaaa agtaacatag tcgctgatgt gtaaggataa ctctctatac  360

tcttacataa aatataataa ctcttaccgc gaagtagagt gtttctaata ttgcagaaat  420
```

<210> 9134
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9134

```
agctatagaa gaccgnggaa ntatttattg ttgtgtggnc tggatcttct gttggactag   60

tttgacccct ttgcttgaca ccatgtggcc caagtactcc acctgngttt gggcgaagga  120

acatttcgag agcttaatga agaactggcc ctgcaacaaa accttgaaag ccaattccaa  180

atgaagtaaa tggtcattga aggagctact ataaattagt atgtcgtgat gtggacatca  240

aagcccaagc ccatgacaac caccagcccc aggcccatga ctagatggaa gcccaagacc  300

caatacaagg cataggaaga cccatgacaa gagcaagagc taaaaaggca caagatgctt  360

tggaacatat ggtgattatt ctgagggtag ttcaaatgca gggagaggcc caacacttgg  420

ag                                                                  422
```

<210> 9135
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9135

```
cttgatgcca tggtcaacct agtaacttag cttgtcatga atcagaaatc tgcatctgca    60

cctgtngcaa gagtttgagg tctatgttct atagcagatc accatataga tctttgtcct   120

tctttgcaac aatctggagt caatgagcaa cctgaagctt atgctgcaaa catttataat   180

agacccctg agcagcaaaa ccaacaacaa caaatacaat ctatggtgga ggaatcatcc    240

aaatatgaga tgggcaagtc ctctacaaca acaatagcct gtcccttatt tccaaaatgt   300

tgctggtcca agcaagccat atgttcctcc tgcaatgcat cagtagtagt aacaacaaca   360

acaaagacaa caagcaact                                                  379
```

<210>   9136
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9136

```
agtcacctgc ggctgcaact gctttacaac atacattatt tttattgact ggtcatttaa    60

aaaatcaaaa cctttaaaaa atcattccaa aagaggtgag ttttttttaca aattaaaagt   120

gtcattacaa ttgtaatttt ccctaaaaag tgttcatgga tctaatttaa ctataatatt   180

ttacaataag tatttttta cttgaacctt tcatgaagca tgggagtaca aataattat     240

ttgcgagttt ctaaaacaag tattctttt tcttttagac tcaatttaat ttacaacgtt     300

ttatcattaa tttaaaatta ataaagcana tacaaaaata attatttatt atattgtttc   360

ttatttgaaa tttttctttt caccttaatt gcatgatcta aattntagtt agcaatcaaa   420

tcanaaattt taatgtacac taa                                            443
```

<210>   9137
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9137

```
tctcaaggaa gttatctnta gaaagcttct caaggaagct acctagtcta taaatagaag    60

catgtgtaac actngttgta actctgatga atgagagtct tgtgagacac aacttaaagt   120

tcaacttctc tcccttttc ttccttcaat ttcatgctcc cccctctccc tttctctccc    180
```

tctntatttt cctccattga agcatcctct ccaagcttct tatccaaggc tcatcttggt 240

ggtggaagct cttcttccat ggcatattcc ctggtggatg gcgcctcctc tcaccgcttc 300

tcctttgtct tccgctgcat ctccatggtg gaaaatcacc attaaaggac ctcattgaag 360

ctcaaagatc cagcctncat agaagcccca caagcaagct ttcatcaagt ggtatcagag 420

cacaagagc 429

<210>   9138
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9138

tgttgtgcaa ctctcatggg actaaagtnt aaaagtacaa tatataaatc aagctttcag 60

cttgtgcaac tcagcccaca aaagggattc tataatgaaa ggaaaaaaaa tcaccaacta 120

accaagaggt aaagaaatga ttggtcaatc ctaaatgcac accacaatgt agaagataaa 180

ccaagtagaa gaaaatgaaa aaatggggga aggaaagttc aacaaccaac ccttactctg 240

aattggaaaa gaaaaactat caaataagca agctatgggt ctattagaaa aagaataaaa 300

ttagactntt aatttaaata cttgaattgg aaaaaggaaa atgctagttt gtatgaaaat 360

gttntcgtaa aacagtatac aaaggagcta att 393

<210>   9139
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9139

agcttggttc ccaacgcttt gttcatactc tcccataacc tagaggtgaa tctaggatct 60

ctatcagaca ctatgctaga tgacacacca tgtaatctaa caatcttact aatgtatagg 120

gaggccaact tctctaagga aaacctaata ttgatgggga taaagtgtgc agatttggtc 180

aatttgtcaa caataaccca aatagaatca aaacctttgg gggtcatagg tagtcctaaa 240

tcgaaatcca tggagatacc gtcccacttc cactgnggta tctctaaggg ttgtaactta 300

cctgaaggtc tctgatgttt atcttagcct tatgganact aaacatgaat acacaaactt 360

cctaaccact cttttatgtg ggccaccaaa acattatctt tagactctaa tacatc   416

<210>   9140
<211>   239
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9140

cgaataggat gctntaatgg aggaaaagac aaagagtttg tggtgtgttc taaatcgaag   60

gaataaaaga cggagaacag tggaactttg aagcgtgtct cataagactg ttattcatca   120

cagttacaat aagcgttaca catgcttcta tctatagact aggtaacttt cttgggaagc   180

tttcttgaga agcttctttg agaaaacttc tttgaaaagc tacacaatgg cttcacaca   239

<210>   9141
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9141

agctntcact cggaggcccg atttatgcgc ataatatatc gagacgctcg aanatgaaca   60

acggaagcta tcgagaaatt caaatggtca atacttcgaa ctcggaggtc ctattaaggt   120

gcataatata tctagacgct caaaatttta caatggaagc tctntggcta tacaaatggt   180

cataactttt cactcgaagg tccgattaag gcgcataata tatcgagacg ctcaaaattg   240

aacaatggaa gctcttgagc aattcaaatg gtcataactt gtcactcgga ggtccgattc   300

aggtgcataa tatatcgaga cgctcgaaat tgaacaatgg aagctcttga gcaattcaaa   360

tggtcataac ttgtcac   377

<210>   9142
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9142

ctgatgtaac cattggagag gttaatgaaa caacgatatg atgctctcca tgagaggttg   60

3880

```
gatcaaatgg agaatagaga ccatatgaat tgctcaagag cttccattgt tcaatttcga  120

gcgtctagat atataatgcg cctcaatcgg acctccgagt taaaagttat gaccatttga  180

aatgctcaag agcttccatt gttcaatttc gagcgtcacg atatattatg cacctgaatc  240

ggacctgcga gtgacaactt atgaccattt gaatngctca agagctctca ttgttcaatc  300

ttgagcgtct cgatatatta tgcgcctgaa tcggacctgc cagtgacaac ttatgaccac  360

ttgaattgct caagagctct cattgctcaa tttctagcgt ctcgatatat tatgcg       416
```

<210>   9143
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9143

```
nggaaactaa ttntatgcta caacaattgt tacaagatcc actatccata atgagagaac   60

aagttttatc taaaattntg catcatgtat gaaagatgtt ctctccttgg gattaaaata  120

tatcacaaga ttgacctcca aggagccttc taaccattag gaattcacct tcttcatggg  180

ggtagacttc ctcactagac tcttcacccc ttacttcatc ttcaattcca ctagaggaag  240

gggaagaagt agtctgcttt cgagtactat aaatgtctcg acccctcata atcattgctt  300

gctctatggg gggcattgag aggcaatgtg acctctccaa gaccttctta gcatttaatg  360

ttctcttcct tctgggaaca tttaacgggt gctttctcca tgacctacct aatcttcctg  420

ggcgtgcccc cctctctata tc                                            442
```

<210>   9144
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9144

```
agctntgagg ctgtaaaaac tatataacag caccaaggtt ctagtttagc tcatctctct   60

ctctcctctc tctcttctat ttttcggttt tagcctctct tctctttctt ttttattttc  120

ggttttaca attccagttc agactttttag ttttatcaat aaaatttcgt tctctatttg  180

attaatggaa ggctaagtcc gcaacattgg tttctcttga ggatcaagca gagttctctt  240
```

```
tgaggttcta ttattcatgt taaattctat tcagtttttc ctcttcacta attactttga   300

attttttcta ttaattcgtg catgcttagt gcttgattaa ttgtctctgc acttaattta   360

tgttcatgct taatgatcgt ttatgattaa ttggtgtgtg tgatgcttaa tcacataat    419
```

<210>   9145
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9145

```
nttccggaag gtttccggan atacttcttt cggaagaaga attgttgaag gggcaattgg    60

ccacttcact gtttgctggg tgccccagca ataatgctgg gtgcacgtag caactccctt   120

taacatgcca tgaacttggt ccaaattcga taatgtatta aacataaagt ttaaaatgtt   180

attaaagtag gaatgtgtgc attggaccac aaagagcaaa tgctcaacaa ctttggaatt   240

gtgttctaag aggcgcaagt gagaagtcca agtggagag gtccaataca ttacgtgcat    300

gttatcacgc tataaaatgt aatattctaa agtccttcaa aagctataaa ctattcagaa   360

gcaactatga aggttcgtat agaaaagctt ttgtgttgcc tactaaaaga tcttttgtac   420
```

<210>   9146
<211>   309
<212>   DNA
<213>   Glycine max

<400>   9146

```
aactataact atttgactga aatttaaaag ttgaactgtg aattaagaac tagggcataa    60

acataagatg tactaaagaa agaataataa tggagatgtt caaaatgcaa gaaaataaag   120

atcctgtgga acattctatg aatgatcctc tgcatgctcg ttcacgtcca gtgctggtgc   180

agatggtgga tcctgagaaa taggcaactt tggcactggt gtagatggct ctgcctgaga   240

cgatatcatt gaatcatcct caaaaatgaa aggctcaagt ggagagggct cagagatgta   300

atataagca                                                           309
```

<210>   9147
<211>   385
<212>   DNA
<213>   Glycine max
```

<223>          unsure at all n locations
<400>          9147

gtggcagggc gggtttcctt cactttcttg cttccttcgc gagctctgac cactgttctt     60

ccttcgcgcg atgcttcttt tcatgtccgc ctgagtgggc ttatatccca aaccatactt    120

cccacgattc ccatgggttt ttatcagact agttatgccg ccattgtctt tgcctaaacc    180

catcccgggt tcataaccgt tcnccaacat aacttgggcc atcattactc gccgcttgga    240

cagacaaggt tgcccaaaga gggagtctac ggaggaaatg ctgaccacct cacaagactg    300

gacagcggtt tctaacgatt cttctgcggc ttccacataa tgcatggagg atgggcacct    360

cacaagatat ctttctcgcc tgaca                                          385


<210>          9148
<211>          226
<212>          DNA
<213>          Glycine max

<400>          9148

actatgagac taagctgctc taattacatg atgttgtatt atggaggagg ttgttgccat     60

attgtttaag agtagtggcc actggtaaac taactttcca atttttgcct tcgcaggaaa    120

tggccccgag gaagcttgcc tcaaagaggt tcatgaaaga caacggcagc caaggaacta    180

gttccgctcc ggagtatgac agtcactcgc ttatgagcgc tgtaca                  226


<210>          9149
<211>          317
<212>          DNA
<213>          Glycine max

<223>          unsure at all n locations
<400>          9149

tacttattca tctatggaat catatcaaag cggattttca atatattgtt ctggatcaag     60

ccgaactatg cttgtgagaa cagcgaaatt cattgtatcc aaanaataca ctcaccttca    120

ttgtgccctc tgaactcaag caggtatttc ttaaacaagt tttgaattcc cataaataac    180

tcacaagtaa tgaaataaag ttccagatat tcttgatgat tattcatttt cttcgttata    240

tagtgcaaca tatgccccaa aatacaatat tgncaanata catatactat atatatatat    300

atatatctac atatcat                                                  317

<210>    9150
<211>    410
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    9150

agcttgtaga acggctggtc atgatatatg tcatgttttg gccagcggtt cggngataat    60

ggggatgtcc tacattattt ccatgataca catgcaacaa tgatgattag ggaaatttat   120

gcaaaactgg tcatgcatgc acccatgtgg acactcaagc atcaagtttt tatggtcatg   180

tgacactagg gctcaggatt cattttccct atttaagtca acccagtgtt tccaaaatat   240

gctcttttat caatttatgc attcatccga gtcccttttg ggcgttcggg aaaattttca   300

cagtattcac cctttaggtg tatacacnat ttttttttca aaacaactgg ttatgatagt   360

gaaatcattt tcaaagaaaa gctggaagtt atttctcttc taaagcatgt               410


<210>    9151
<211>    384
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    9151

gcgagttgat ttagccttag tttcactnta gttattattc aatttattta agaaacagaa    60

atcccaaaga gaaacgtccg attgattntt ttggtttatt ttactaaaag atattttttt   120

attattatat tattatttta cctctttntg gtttccaatg tggttacggc atgaccgaac   180

ggtcggattt cattttaacg gatattacaa atcaaatgat cggtggaaat ttaatttatt   240

ctttgattac gcgagaaaat gccgtaaatg atacaagaac taacgaattg aaaagtaaat   300

gaaacaagaa taaaagtacg tgaaacaaat ggggaccacc aagggtacat agaatgaatt   360

gaaaagttcg acttcaggaa ctta                                          384


<210>    9152
<211>    421
<212>    DNA
<213>    Glycine max

<400>    9152

```
agcttaagca cgagtaaatt gctacatgct taagttgtgt ttaaggtgca tccttaaagt    60

gtatgcttaa gaaagttatg caaaatgctt ttttttttaa aaaaatggta ttccaagtgt   120

gataaaatga aaattggttc atgatatgag tatttatata tagtatggag ttaattgtat   180

gctaatatca tgcacttcac attcatatga ggattttgat gtggtgattg taaaaattca   240

tggtgttgga tgtcttacta tgcttaacaa actattgatg gattcataag tgtgatgaat   300

atatgaatgg ttaacttatg atatggtaat ttgatgaaat atcgttataa tgaaaagata   360

attatattga taagataatt atgtaaatta ttgaatgtct gagttatgtc gggttaattt   420

c                                                                   421


<210>      9153
<211>      461
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      9153

actaagctta ttgacatggg atttacaggt ttntcgaaca ttgattatag tttattgatt    60

tattggatga gagttaataa ttaataaatt ttcttaagta tagacccatg tatatatagc   120

taactccatt gtgtctcttc ctttgttttt aaaaacttat cttcttatac ttttgcaaat   180

taatggctct tagaatttct ttcaatgata agattgcgtg tggaagcatt gattggtgaa   240

tcacagtaag agtagctgtt catctttgga agcaaactca atatagtaat ccaaatgaaa   300

tacgtaatac tgaatcgatc attttggatg aaaagatatt ttatataaat tgattttggg   360

tattattcta caatgtctat tttggaacac aattgatatc aacccttatt atacatatga   420

caattgagag tctcaaatat atgcttaatc tcaattttatt c                       461


<210>      9154
<211>      374
<212>      DNA
<213>      Glycine max

<400>      9154

ccatgaatca gaaatctaca cctgttgcaa gagtctgtgg tctatgatcc tctgcagatc    60

accatacaga tctctgtcct tctttgcagc aatctagagt caatgagaaa cctgaagctt   120
```

```
atgctgcaaa catttataat agacctcctc agtagcaaaa ccaacaacag tagaataatt    180

atgacctttc aagcaacaga tacaatccag gttggaggaa tcatccaaat ctgagatgga    240

caagtcctcc acaacaacat cagtctgtcc tttctttcca gaatgttgct ggtccacgca    300

agccttatgt tcctctctca atgcagcaac aacaaagaca acaagcaggt gaggcctcct    360

tttcaacctt ctta                                                      374


<210>      9155
<211>      401
<212>      DNA
<213>      Glycine max

<400>      9155

aacaagaggg atatgaggat gaagcttagt ttaagttagt ctaaacctac gagggttgtc     60

taaattgagc ctagtccaac aagagggatc tgaggacgaa gcttggattg attcagtcta    120

actagtgatc aaggcttagt aatttaggct gcagcataaa acacaaaagc atgatatatt    180

agagaaacat ccttatatgc attaactggt ctgttaggaa gacccaacac ttctacctac    240

tgctgtcaat tctacttact tgcatattta ctgcttctag cctacactta gtttaatcct    300

attctaaata ttaattatca atgtttcttt aacaatgctc tatatctaat taaacctgtc    360

tatactattc cttgcgttga tacttgattc atcatttaat t                        401


<210>      9156
<211>      389
<212>      DNA
<213>      Glycine max

<400>      9156

agctctttga actttgtcgt acttgtggga caactttcag aggaacaata tctgggttat     60

tttatgagtg gtttgaagcc acaaattcat cggagggttc ggactctcaa tcccctgaat    120

cggatgcaaa tgatgcatat cgctaaagac gtagaggaag agttgagaga agatgatgat    180

gacgcacgca aatatggtag caaaaaagga gggcaggatc ggttgggtcg taatgattgg    240

gccgggtcag tcttttggag caggagcggg tcaaacccaa aagagacaca tcgttcccgt    300

tgggccaacc cgactcagaa aacaggatcc agtggatcta acacgctctc tacgatgtcg    360

ttagtttcaa ctgagaaaaa gggtgcaaa                                      389
```

<210>   9157
<211>   340
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9157

cggacatccc agctngaggt taatctcaaa gctctattat catattcttg ttagaggact   60

tccaaagcta tcgtatcaag attcattttg tgtagcttcc caaaaaggga agcaagttaa   120

aagttctttt aaagccaaaa aaaatctttc cacttctagg cctttagag ctcctacacc   180

ttgacctttt tggaccaacc aagaatacac ccctctttgg atgcangtat ggtctggtca   240

tagtggacga ttacaccaga tggacatggg ttaggttcct aacccacaag gatgagtctt   300

ttgatacctt ttataaactt tgtaaatgat tcaaaatgaa   340

<210>   9158
<211>   501
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9158

agtactccac gcatacttga acccngttga nccngtgaga tccgtgatcc ttaagtcacc   60

tgaggctgca gctgtacagt tttggtatat ttttatgtgt gtgtgcataa tagagcacag   120

agnttgaact atagttcatg taatttcaca atccttcatt accacctcta agggaactgt   180

tcaagttaaa accatgcaat gaannaaaaa cgttttgagg ttaaataaaa tcggcttggt   240

ttaggctttt aaaacaagct aacttcccat cactcaatat catgtgatct actgtagcca   300

ccactcggtc accacttggc gcccgtgcga attcttaact gaattactct ctctttgaaa   360

caacactctt attctcctat tcttgcatta acaactgacc cgtcactcct ccactcctac   420

tcaatatttt tccaactctt ttccaattaa ttaaatatat cctatcgctt atgctatcat   480

tccctccctc tccacttctc g   501

<210>   9159
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9159

aatagttatt cttaattata taaagataat atatatataa aaatataacc acccaaatct   60

aaatatataa atattataat taaaatatcg tttcaacaaa aaaatgaaat gatttttttt   120

caaattttct atantttcat tntctacata ttaaaagggt tttataagtc tactaatcag   180

cttcaataat tactatgtag tttcttaaac tggaattctc acttactttc ttatacagtn   240

taaatntcaa agaacactca taagatatat ataattacac attgcatgan aaatagaatn   300

taattatcat gcctcgacag tgtaattaat ataaaaagct cttatagata cccgaaggtc   360

tntatacagt gagtgcattt aaatgaaatt tatcagaaac cgatatctac tatagaat   418

<210>   9160
<211>   185
<212>   DNA
<213>   Glycine max

<400>   9160

taccatcaga tccgagtgaa gcctgaggat atactaaaga ctgcttttag gacccgttat   60

ggtcactatg agtatctagt catgctcttt ggtgtggcta atgctccagg tgtgtttata   120

tacttcatga ataaagtctt tcacccttac ctagatagtt ttgtggtacg attcatagat   180

gatat   185

<210>   9161
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   9161

tgaagtgagg aagtgtggaa gagccggtct tcctactttt gttttgttga ccacagagtg   60

gtacctggag atatgtcgca ngggtcagga gaccttgngg acgtcaggtg gngtgctatt   120

gcccaaaacc aagcttgacc aatcccgacc caacccaggc atagtcagtc agtgagaacc   180

tgtgacgtac ctaaacaggc gagctcctgg cagtcaacca ataaaagaac aaagaccaca   240

aancaaggag gcttgtgtgg tggctggcca gctatggatc ttgagtggta tctggaatnt   300

ggcctctggt aatcgattac caaggatgtg taatcgatta caaggcttaa aaatgaagac   360

aggaag

<210> 9162
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9162

atattgcact gagacaataa tctttgcctc acttgcaaag ttaatgagta aatggaccat   60

tatgtaaaac aatgaggaaa tattttaaag acaaatatta ttagaagagg gattgaattg 120

tacattttac taaacttaaa atctttttg aatacaagaa agatattgtc tgatatagtt 180

aaacttaaga gaacatatga gatttttgta ggacaaatca aacgatagtt cagatctttg 240

taaaacaaat aatntgttaa aagtaaatct caaattaaat cctaagtcag ttaaaaacaa 300

aa   302

<210> 9163
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9163

cctagactcg taagcttctt gcgtcgccgc tcttggtgct cagnaaatcc catatacaat   60

tcctcttatt actagctatt tggaattctt tagttcctga atgtacaacc ttcaaattgt 120

tgctcgttcc cctctttctt ttctgcaaaa aagaaaatca aatgctgtga aaacatggat 180

gaagtcctaa gaaaatcaat atcaaagaaa acatggatga aatcacaatt aataagcaca 240

accacctatc tttcagagtc ctttggttaa tgtgtcttgt ctccttatgt ggtggggttt 300

tgtttaataa tattatactt ttgccttccc aaaaaaactt atgactgatc ctctctccat 360

taatccaatt ctgtatgtta ttgtataaaa gatcatgggt tctc   404

<210> 9164
<211> 320
<212> DNA
<213> Glycine max

<400> 9164